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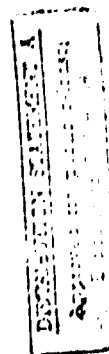
SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DTIC
ELECTED
JAN 09 1989
D

STATION: #14765 Providence, RI
LAT. 41:44 N. LONG. 71:25 W.
PERIOD: HOURLY: 1949-1953
DAILY: 1949-1953
ELEVATION: 56 feet

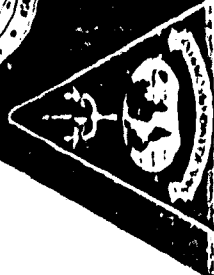
JOB NO. TASK ENGAGED DATE December 1958



PREPARED BY
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ASHEVILLE, N.C. 28801

PREPARED UNDER AUTHORITY OF
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STENNIS SPACE CENTER, MS 39529-5000

89 / 00 / 29



UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO. <i>AJ23 721</i>	3. RECIPIENT'S CATALOG NUMBER
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure. <i>AC</i>		

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S/N 0102- LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

3146.KA

DEC 16 1988

From: Officer in Charge, Naval Oceanography Command Detachment Asheville

Subj: SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS)

1. Discussion. This edition of the SMOS was produced utilizing a revised software package. The product has been expanded to include station climatic summary tables and is considered a stand alone publication. This update includes the period of record (POR) through 1986 for all hourly and daily data. Our revised production methodology incorporates two computerized editing phases after the initial processing stage and a manual review and intervention of suspect data prior to the print phase. Every effort has been made to produce at least a 99.9 percent data perfect product based on the stations observation data. We have switched to a direct computer printout on standard computer paper instead of the previous print format. This results in a 85 percent print cost savings over our old specialized print format.

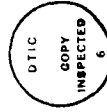
2. Weather Conditions. This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in two tables as follows:

Table 13 By month, all years combined, by standard 3-hour groups and all hours combined.

Table 14 By month and annual, all hours and years combined, by wind direction.

Occurrences of the various phenomena included in each category on the forms are listed below:

- a. Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.
- b. Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.
- c. Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.
- d. Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.
- e. Hail - Occurrences of hail and small hail are included.
- f. Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.
- g. Fog - Included are fog, ice fog, and ground fog.
- h. Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.
- i. Blowing snow - Occurrences of blowing snow also drifting snow when reported from non-WBAN sources.
- j. Dust and/or sand - Included are blowing dust, blowing sand, and dust.
- k. Blowing spray - This item if reported, is not shown in a separate category on this table but is included in the computation Percentage of Observations with Obstructions to Vision.



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	A-1

1. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

3. Atmospheric Phenomena Table 36: This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

a. The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed '% OF OBS WITH PRECIP' and '% OF OBS WITH OBST TO VISION' show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

b. This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

4. Precipitation, Snowfall and Snow Depth. These elements are presented using the daily amounts and extreme value.

a. Tables 8, 9, and 10 provide for each element separately the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least).

b. Table 21 for each element presents the extreme daily amounts by individual month and day for the entire period of record available.

c. Tables 23, 24, and 25 provide for each element separately individual year and month extreme daily amounts and the means and standard deviations for each month and annual for all months combined.

NOTE 1: Snow depth was recorded and punched at various hours during the period available from U.S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

U.S. Navy and Weather Bureau Stations:

From beginning of record thru Jun 52 - Snow depth at 0030 UTC
Jul 52 - May 57 Snow depth at 1230 UTC
Jun 57 - present Snow depth at 1200 UTC

NOTE 2: Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956. and after Dec 1979.

5. Surface Winds.

a. Extreme Values - Peak Gusts Table 27: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with <90% observations reported is also provided.

b. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction. A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

Table 1 contains three presentations prepared for all surface winds included, and for all years combined as follows:

- (a) By month - by standard 3-hour groups
- (b) By month - all hours combined
- (c) Annual - all hours combined

5. Ceiling Versus Visibility Table 2. This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

- (a) By Month - by standard 3-hour groups
- (b) By Month - all years and all hours combined
- (c) Annual - all years and all hours combined

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minimal may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on the following pages.

Beginning in July 1948 for U. S. Air Force stations and January 1949 for National Weather Service (NWS) and U.S. Navy stations the 'no ceiling' category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4
NO CEILING											
≥ 1800											
≥ 1500					91.0						92.6
≥ 1200											
≥ 1000											
≥ 900											
≥ 800											
≥ 700											
≥ 600											
≥ 500											
≥ 400										97.4	98.1
≥ 300											
≥ 200											
≥ 100					95.4					98.3	100.0
0											

EXAMPLE # 1: Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table:

Ceiling > 1500 feet = 92.6%.
Ceiling > 500 feet = 98.1%.

EXAMPLE # 2: Read visibilities independently of ceilings on bottom line opposite > 0. From the tables:

Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%.

EXAMPLE # 3: To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

EXAMPLE # 4: Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5: To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus: 6.4 percent of the observations meet the criteria: ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 miles.

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

7. Sky Cover Table 11. This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover (see Note 3) and total number of observations. It is presented as follows:

By month and annual - by standard 3-hour groups, and all hours combined.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. NWS stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some data sources used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

0/10 equates to clear
 1/10 to 5/10 equates to scattered
 6/10 to 9/10 equates to broken
 10/10 equates to overcast

8. Psychrometric Summaries.

a. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

Table 5 Daily maximum temperature
Table 6 Daily minimum temperature
Table 7 Daily mean temperature

b. Daily Average/Extreme Temperatures Table 29 derived observations and presented for each month and day for entire period of record available are average temperature, average and extreme maximum temperature, average and extreme minimum.

c. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard of daily extreme temperatures are prepared:

Table 30 Extreme maximum temperature

Table 31 Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

d. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature Table 3. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

(1) The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression is 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total number of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table.

NOTE: A percentage frequency in this table of '.0' represents one or more occurrences amounting to less than .05 percent.

(2) Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of each page. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σX). The number of observations used in the computations for each element is also shown.

(3) At the lower right of each page Table 40 gives the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

d. Means and standard deviations. These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

Table 15 Dry-bulb temperature

Table 16 Wet-bulb temperature

Table 17 Dew-point temperature

e. Cumulative percentage frequency of occurrence of relative humidity Table 12. This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

By Month and Annual - by standard 3-hour groups, and all hours combined with the hour groups being the vertical argument. All years are combined for this summary.

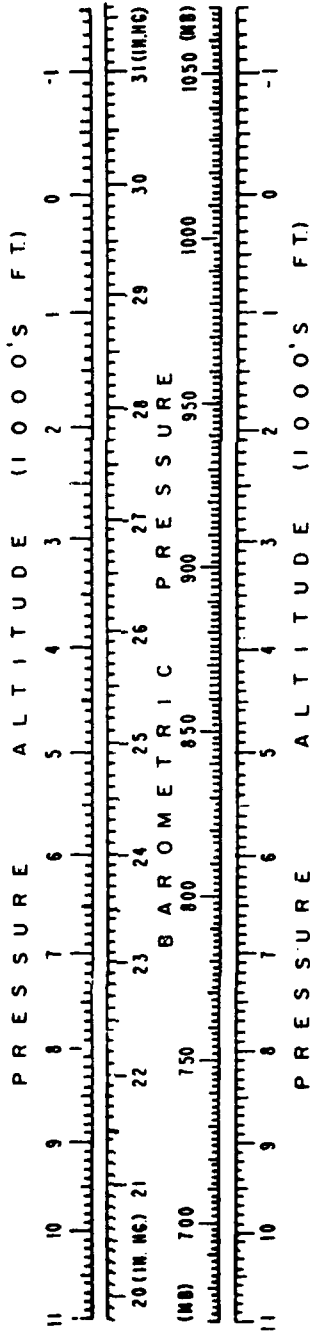
f. Percentage frequency of occurrence of dry-bulb temperature versus wind direction Table 4. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in five degree increments and horizontally by eight wind directions (plus calm).

9. Pressure Summary. Two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times UTC. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables.

Table 18 Station pressure in inches of mercury

Table 19 Sea-level pressure in millibars

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure latitude in 1000's of feet. This scale is an enlarged model of the pressure latitude scale in the Smithsonian Meteorological Tables.



M. L. Dickenson
M. L. DICKENSON

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39	OMITTED	

1 - SURFACE WINDS

C14765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN	
16 PT.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	%	WIND
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		SPEED
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
N	.4	2.5	4.2	3.7	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	10.1
NNE	.2	.8	1.6	1.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	10.3
NE	.3	.9	.9	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.6
ENE	.1	.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.9
E	.1	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	8.3
ESE	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.2
SE	.3	.6	.4	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.5
SSE	.2	.6	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.3
S	.4	1.4	.9	.8	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.9	9.0
SSW	.6	1.1	1.3	.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	8.8
SW	.6	1.8	1.7	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	8.7
WSW	.8	2.7	2.3	2.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	8.2
W	.4	3.5	4.4	2.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	9.0
WNW	.5	3.1	4.4	3.9	1.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	13.5	10.3
NW	.2	2.1	4.2	3.7	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	10.8
NNW	.1	1.2	3.8	2.8	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	10.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	.0
ALL	5.4	22.9	32.4	24.4	5.1	1.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.8

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : C40C LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	1 - 31	4 - 61	7-101	11-161	17-211	SPEED (KNOTS)					TOTAL					MEAN
DIR.		1	1 - 31	4 - 61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	8	1	SPEED		
N		.6	3.3		4.0	4.0	.8	.1	.0	.0	.0	.0	.0	12.8		9.5		
NNE		.3	1.1		1.8	1.2	.2	.3	.0	.0	.0	.0	.0	4.8		9.6		
NE		.1	.3		.8	.9	.2	.0	.0	.0	.0	.0	.0	2.4		10.3		
ENE		.1	.5		.4	.3	.0	.0	.0	.0	.0	.0	.0	1.3		7.5		
E		.1	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		2.0		
ESE		.1	.0		.2	.0	.2	.1	.0	.0	.0	.0	.0	.5		13.0		
SE		.1	.2		.6	.4	.1	.0	.0	.0	.0	.0	.0	1.4		10.4		
SSE		.3	.4		.3	.3	.2	.1	.1	.0	.0	.0	.0	1.6		10.2		
S		.4	1.2		1.4	.6	.1	.1	.0	.0	.0	.0	.0	3.8		8.0		
SSW		.4	1.4		1.2	.9	.3	.4	.0	.1	.0	.0	.0	4.8		10.3		
SW		1.1	1.2		2.3	.8	.2	.0	.0	.1	.0	.0	.0	5.6		7.9		
WSW		1.1	2.6		3.4	1.7	.2	.0	.0	.1	.0	.0	.0	9.3		7.9		
W		.2	2.9		4.1	2.5	.5	.1	.0	.0	.0	.0	.0	10.3		8.9		
WNW		.3	1.9		4.3	4.1	.7	.3	.0	.0	.0	.0	.0	11.6		10.3		
NW		.3	2.2		3.6	4.8	1.0	.3	.0	.0	.0	.0	.0	12.2		10.7		
NNW		.2	2.3		3.1	4.0	.1	.2	.0	.0	.0	.0	.0	9.9		9.8		
VAR		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
CLM		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8		.0		
ALL		5.6	21.7		31.6	26.5	4.7	1.8	.1	.3	.0	.0	.0	100.0		8.7		

TOTAL NO. OF OBS : 1177

NOTES : * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 1 - 31 4 - 61		SPEED (KNOTS)											TOTAL		MEAN	
DIR.		7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56						
N	.3	2.6	5.0	4.0	.8	.2	.0	.0	.0	.0	.0	12.9	9.9			
NNE	.0	.8	2.0	1.2	.5	.0	.0	.0	.0	.0	.0	4.4	10.6			
NE	.0	.8	.9	.8	.1	.1	.0	.0	.0	.0	.0	2.6	9.5			
ENE	.1	.1	.5	.3	.1	.0	.0	.0	.0	.0	.0	1.1	9.8			
E	.0	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.5	10.2			
ESE	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.5	7.8			
SE	.3	.0	.3	.3	.0	.1	.0	.0	.0	.0	.0	.9	9.7			
SSE	.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.4	10.9			
S	.7	1.4	1.9	.8	.3	.3	.0	.0	.0	.0	.0	5.3	8.9			
SSW	.5	1.6	1.4	.9	.3	.3	.1	.0	.0	.0	.0	5.1	9.4			
SW	.4	1.8	1.4	.8	.3	.0	.0	.0	.0	.0	.0	4.8	7.9			
WSW	.5	2.7	3.1	1.2	.3	.2	.0	.0	.0	.0	.0	8.0	8.2			
W	.7	3.1	4.9	2.9	.3	.2	.0	.0	.0	.0	.0	12.1	8.7			
WNW	.4	2.8	4.5	3.7	.8	.2	.0	.0	.0	.0	.0	12.3	9.9			
NW	.3	2.0	2.8	5.0	1.4	.1	.0	.0	.0	.0	.0	11.6	11.2			
NNW	.4	2.0	3.4	3.2	.3	.1	.0	.0	.0	.0	.0	9.4	9.4			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0			
ALL	4.9	22.2	32.8	25.7	5.5	1.6	.2	.0	.0	.0	.0	100.0	8.9			

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16 PT. 1 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >561														%	WIND																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
DIR.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
N	.4	2.0	4.8	5.5	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

DATA 765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	2	3	4	5	6	2	WIND
N	.2	1.3	3.8	5.1	.6	.3	.1	.0	.0	.0	.0	.0	11.3	11.1				
NNE	.2	1.0	1.4	1.4	.8	.1	.0	.0	.0	.0	.0	.0	4.8	10.8				
NE	.3	1.1	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	3.2	8.3				
ENE	.0	1.0	.4	.4	.0	.0	.1	.0	.0	.0	.0	.0	2.0	8.6				
E	.3	.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.2				
ESE	.3	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.1				
SE	.3	.8	.6	.8	.1	.1	.0	.0	.0	.0	.0	.0	2.7	8.5				
SSE	.2	.9	1.1	.7	.3	.0	.0	.0	.0	.0	.0	.0	3.2	5.1				
S	.6	1.0	1.4	.8	.2	.3	.0	.0	.0	.0	.0	.0	4.2	9.2				
SSW	.0	.5	.5	2.5	1.0	.4	.1	.0	.0	.0	.0	.0	5.1	14.3				
SW	.4	.6	1.2	2.7	.8	.2	.0	.0	.0	.0	.0	.0	5.9	12.3				
WSW	.1	.3	2.1	2.4	.8	.5	.0	.0	.0	.0	.0	.0	6.1	12.8				
W	.2	.4	2.5	3.5	1.0	.5	.0	.0	.0	.0	.0	.0	8.1	12.7				
WNW	.1	.2	2.1	7.6	2.2	.8	.3	.0	.0	.0	.0	.0	13.2	14.5				
NW	.3	1.2	2.9	6.8	2.2	.8	.0	.0	.0	.0	.0	.0	14.2	13.0				
NNW	.1	.7	3.4	5.0	1.4	.5	.0	.0	.0	.0	.0	.0	11.1	12.5				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
ALL	3.6	12.1	25.5	40.3	11.5	4.4	.5	.0	.0	.0	.0	.0	100.0	11.7				

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 BASIS : ALL WEATHER
 ADDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

PT. 1	1 - 3	4 - 6	7-10	11-16	SPEED (KNOTS)						TOTAL	MEAN						
					17-21	22-27	28-33	34-40	41-47	48-55			>=56	%	SPEED			
IR. 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N	.2	1.1	2.9	3.7	.5	.1	.1	.0	.0	.0	.0	8.5	10.9					
NE	.4	1.0	1.4	1.8	.4	.1	.1	.0	.0	.0	.0	5.2	10.5					
E	.3	1.4	1.3	.5	.2	.1	.0	.0	.0	.0	.0	3.8	8.0					
ENE	.2	.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	2.1	7.6					
E	.1	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.1	6.7					
ESE	.2	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.7	6.5					
SE	.5	.8	1.6	.3	.0	.0	.0	.0	.0	.0	.0	3.2	7.1					
ESE	.4	1.2	1.9	.4	.0	.1	.0	.0	.0	.0	.0	4.0	7.6					
S	.3	1.0	1.8	1.7	.2	.2	.0	.0	.0	.0	.0	5.2	9.7					
SW	.3	.3	.9	2.4	.5	.1	.0	.0	.0	.0	.0	4.5	12.1					
SSW	.3	.5	2.1	2.5	.3	.3	.1	.0	.0	.0	.0	6.1	11.3					
WSW	.3	1.1	2.1	2.3	.6	.2	.0	.0	.0	.0	.0	6.5	10.9					
W	.0	1.2	2.7	3.4	.7	.2	.0	.0	.0	.0	.0	8.2	11.3					
NW	.0	.9	4.2	6.3	2.1	.6	.2	.0	.0	.0	.0	14.3	12.8					
NNW	.2	.9	4.3	7.1	1.7	.4	.0	.0	.0	.0	.0	14.7	12.1					
NNW	.4	.6	2.7	3.1	1.4	.1	.0	.0	.0	.0	.0	8.3	11.5					
AR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
LM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0					
L	4.1	14.6	31.2	36.3	8.6	2.3	.4	.0	.0	.0	.0	100.0	10.6					

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AN
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)												TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56			
N	.3	1.1	3.1	2.4	.5	.3	.0	.0	.0	.0	.0	7.7	10.4	
NNE	.4	.8	1.3	2.0	.3	.2	.0	.0	.0	.0	.0	5.0	10.7	
NE	.0	.9	1.3	.8	.1	.0	.0	.0	.0	.0	.0	3.1	8.8	
ENE	.2	.6	.8	.2	.0	.0	.0	.0	.0	.0	.0	1.8	7.0	
E	.1	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.9	
ESE	.2	.3	.5	.0	.1	.0	.0	.0	.0	.0	.0	1.1	7.3	
SE	.3	.6	.7	.4	.1	.0	.0	.0	.0	.0	.0	2.1	7.8	
SSE	.3	1.4	.5	.0	.1	.0	.0	.0	.0	.0	.0	2.3	6.2	
S	.8	2.4	1.7	1.0	.4	.2	.1	.0	.0	.0	.0	6.5	8.6	
SSW	.2	2.2	2.5	.9	.3	.0	.0	.0	.0	.0	.0	6.1	8.4	
SW	.8	2.6	2.9	1.9	.5	.0	.0	.0	.0	.0	.0	8.8	8.3	
WSW	.3	2.1	3.1	1.4	.2	.0	.0	.0	.0	.0	.0	7.1	8.4	
W	.5	2.5	3.1	3.5	.3	.3	.0	.0	.0	.0	.0	10.3	9.7	
WNW	.2	1.7	4.5	4.8	.9	.4	.0	.0	.0	.0	.0	12.6	11.0	
NW	.4	1.9	4.2	5.3	.4	.3	.0	.0	.0	.0	.0	12.6	10.6	
NNW	.3	.9	2.9	2.5	.4	.3	.0	.0	.0	.0	.0	7.2	10.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0	
ALL	5.2	22.7	33.5	27.1	4.8	2.0	.1	.0	.0	.0	.0	100.0	9.1	

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	
N	.4	1.7	2.9	3.7	.7	.1	.0	.0	.0	.0	.0	9.5
NNE	.3	.8	1.6	2.0	.3	.0	.0	.0	.0	.0	.0	5.1
NE	.3	.8	.6	.6	.2	.0	.0	.0	.0	.0	.0	2.5
ENE	.0	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	1.4
E	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.8
ESE	.1	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.7
SE	.4	.3	.1	.3	.1	.1	.0	.0	.0	.0	.0	1.4
SSE	.8	.9	.8	.3	.0	.0	.0	.0	.0	.0	.0	2.7
S	.6	1.4	1.3	1.0	.3	.1	.0	.0	.0	.0	.0	4.6
SSW	.5	1.4	1.2	.8	.3	.1	.0	.0	.0	.0	.0	4.2
SW	.7	2.5	2.0	1.4	.5	.1	.0	.0	.0	.0	.0	7.1
WSW	.7	2.9	3.1	2.1	.4	.1	.0	.0	.0	.0	.0	9.3
W	.6	2.0	.9	2.0	.3	.3	.0	.0	.0	.0	.0	10.2
WNW	.6	2.8	4.6	4.3	1.4	.1	.0	.0	.0	.0	.0	13.8
NW	.5	1.9	.9	4.2	.8	.2	.0	.0	.0	.0	.0	12.6
NNW	.0	1.8	2.9	2.4	.8	.3	.0	.0	.0	.0	.0	8.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	6.7	22.4	31.9	25.5	6.2	1.4	.0	.0	.0	.0	.0	100.0
												8.8

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)											TOTAL		MEAN		
16 PT. 1 - 3 4 - 6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 >=56													%		WIND SPEED		
DIR.																	
N	.4	2.0	3.8	4.0	.7	.2	.0*	.0	.0	.0	.0	.0	11.1	10.3			
NNE	.3	.9	1.6	1.5	.4	.1	.0*	.0	.0	.0	.0	.0	4.8	10.3			
NE	.2	.9	.9	.7	.1	.1	.0	.0	.0	.0	.0	.0	2.9	8.8			
ENE	.1	.6	.6	.2	.1	.0	.0*	.0	.0	.0	.0	.0	1.6	7.8			
E	.1	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0			
ESE	.2	.3	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	1.0	7.2			
SE	.3	.5	.6	.4	.1	.0*	.0*	.0	.0	.0	.0	.0	1.8	8.2			
SSE	.3	.8	.8	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	2.4	8.0			
S	.6	1.3	1.5	1.0	.2	.1	.0*	.0*	.0	.0	.0	.0	4.9	9.0			
SSW	.3	1.2	1.3	1.4	.4	.2	.0*	.0*	.0	.0	.0	.0	4.8	10.5			
SW	.6	1.5	1.9	1.6	.4	.1	.0*	.0*	.0	.0	.0	.0	6.1	9.4			
WSW	.5	1.9	2.6	1.9	.4	.2	.0	.0*	.0	.0	.0	.0	7.6	9.3			
W	.4	2.0	3.7	2.9	.6	.3	.0	.0	.0	.0	.0	.0	9.9	10.0			
WNW	.3	1.8	3.9	5.0	1.4	.4	.1	.0*	.0	.0	.0	.0	12.8	11.5			
NW	.3	1.7	3.7	5.6	1.3	.3	.0	.0	.0	.0	.0	.0	12.9	11.4			
NNW	.2	1.4	3.2	3.6	.7	.2	.0	.0	.0	.0	.0	.0	9.4	10.8			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0			
ALL	5.1	19.1	30.6	30.5	7.0	2.2	.2	.1	.0	.0	.0	.0	100.0	9.7			

TOTAL NO. OF OBS : 9419

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.7	48.7	49.3	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0
>=20000	47.0	51.2	51.9	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
>=18000	47.0	51.2	51.9	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
>=16000	47.0	51.2	51.9	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
>=14000	48.0	52.3	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7
>=12000	49.2	53.9	54.6	55.0	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4
>=10000	51.9	57.2	57.9	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
>= 9000	53.0	58.2	58.9	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
>= 8000	54.5	60.0	60.7	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6
>= 7000	55.9	61.6	62.3	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3
>= 6000	56.7	62.6	63.3	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
>= 5000	59.1	65.7	66.8	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9
>= 4500	60.6	67.6	68.8	69.6	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 4000	61.7	69.2	70.4	71.4	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9
>= 3500	62.3	70.1	71.3	72.4	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>= 3000	63.9	71.9	73.3	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1
>= 2500	65.6	74.2	75.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8
>= 2000	66.6	75.8	77.4	79.1	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9
>= 1800	67.2	76.7	78.3	80.0	80.4	80.5	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2
>= 1500	67.6	77.7	79.4	81.3	81.7	81.8	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6
>= 1200	67.9	78.5	80.3	82.1	82.7	83.0	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8
>= 1000	68.3	79.6	81.4	83.3	83.9	84.3	84.9	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3
>= 900	68.6	80.3	82.3	84.3	85.3	85.7	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
>= 800	68.8	80.9	83.1	85.2	86.4	87.0	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.2	88.2
>= 700	68.8	81.1	83.6	86.4	88.0	88.6	89.4	89.5	89.6	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.2	90.2
>= 600	68.9	81.3	83.9	87.2	89.0	89.6	90.5	90.6	90.8	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.5	91.5
>= 500	69.0	81.4	84.2	87.6	89.8	90.5	91.5	91.8	92.0	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1
>= 400	69.1	81.6	84.5	88.3	91.0	92.0	93.3	93.7	93.9	94.9	95.0	95.1	95.1	95.1	95.3	95.3	95.4	95.4
>= 300	69.2	81.7	84.5	88.4	91.2	92.3	93.8	94.3	94.5	96.1	96.3	96.4	96.4	96.4	96.7	96.7	96.8	96.8
>= 200	69.2	81.7	84.5	88.4	91.2	92.4	94.0	94.7	94.9	96.6	97.2	97.3	97.3	97.3	98.0	98.1	98.2	98.2
>= 100	69.2	81.7	84.5	88.4	91.2	92.4	94.0	94.7	94.9	96.7	97.4	97.5	97.5	97.5	98.5	98.6	98.9	99.1
>= 0	69.2	81.7	84.5	88.4	91.2	92.4	94.0	94.7	94.9	96.7	97.4	97.5	97.5	97.5	98.5	98.6	99.1	100.0

TOTAL NO. OF OBS : 1165

2 - CEILING VS VISIBILITY

019765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	45.2	49.3	49.5	49.9	50.0	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
>=20000	46.9	51.1	51.3	51.9	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
>=18000	47.0	51.2	51.4	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4
>=16000	47.0	51.3	51.5	52.1	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
>=14000	47.7	52.1	52.3	52.9	52.9	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4
>=12000	48.9	53.3	53.6	54.2	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
>=10000	52.2	57.4	57.7	58.4	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1
>= 9000	53.0	58.3	58.7	59.4	59.6	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
>= 8000	54.0	59.4	59.7	60.6	60.7	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
>= 7000	55.2	60.8	61.2	62.0	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8
>= 6000	55.9	61.8	62.1	63.0	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
>= 5000	57.6	64.2	64.9	66.0	66.4	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9
>= 4500	58.5	65.5	66.4	67.6	67.9	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5
>= 4000	59.5	67.1	68.0	69.2	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1
>= 3500	60.7	68.5	69.4	70.8	71.1	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
>= 3000	62.4	70.8	71.8	73.1	73.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2
>= 2500	64.0	72.9	73.8	75.3	75.8	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4
>= 2000	64.6	74.0	75.0	76.7	77.5	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0
>= 1800	65.3	74.8	75.8	77.5	78.2	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
>= 1500	65.5	75.6	76.8	78.8	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
>= 1200	66.2	77.0	78.5	80.6	81.7	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
>= 1000	66.6	78.2	79.7	82.1	83.4	83.9	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.8
>= 900	66.6	78.5	80.2	82.9	84.5	84.9	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.9
>= 800	67.1	79.7	81.6	84.6	86.4	86.8	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.3
>= 700	67.2	80.2	82.2	85.6	87.8	88.2	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.2
>= 600	67.2	80.4	82.5	86.6	89.2	89.7	90.7	91.3	91.4	91.9	92.1	92.2	92.2	92.2	92.2	92.3
>= 500	67.2	80.9	83.0	87.4	90.4	91.0	92.2	92.9	93.0	93.8	94.1	94.2	94.4	94.4	94.4	94.5
>= 400	67.3	81.0	83.1	87.7	90.8	91.4	92.8	93.8	93.9	94.8	95.3	95.4	95.7	95.7	95.7	95.8
>= 300	67.3	81.1	83.2	87.9	91.1	91.9	93.6	94.8	95.1	96.4	97.1	97.2	97.6	97.6	97.6	97.7
>= 200	67.3	81.1	83.2	87.9	91.1	91.9	93.7	94.9	95.1	96.7	97.7	97.7	98.4	98.4	98.4	98.6
>= 100	67.3	81.1	83.2	87.9	91.1	91.9	93.8	95.0	95.2	97.0	97.9	98.0	98.6	98.6	98.6	99.1
>= 0	67.3	81.1	83.2	87.9	91.1	91.9	93.8	95.0	95.2	97.0	97.9	98.0	98.6	98.6	99.0	100.0

TOTAL NO. OF OBS : 1154

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986 MONTH : JAN
CLASS : ALL WEATHER HOUR : 0700 LST
CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.5	43.9	45.4	46.0	46.5	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
>=20000	43.1	47.2	48.7	49.4	50.0	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5
>=18000	43.2	47.3	48.8	49.5	50.1	50.3	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.6
>=16000	43.2	47.4	48.9	49.6	50.2	50.3	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.7	50.7
>=14000	44.0	48.1	49.7	50.3	51.2	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.7	51.7
>=12000	45.9	50.3	52.0	52.8	53.7	53.8	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2
>=10000	48.6	53.8	55.6	56.5	57.5	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
>= 9000	49.9	55.4	57.2	58.3	59.3	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
>= 8000	50.9	57.0	59.1	60.3	61.4	61.6	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0
>= 7000	51.9	58.1	60.3	61.6	62.6	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>= 6000	52.3	58.6	60.9	62.1	63.2	63.4	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8
>= 5000	53.9	60.6	62.9	64.4	65.4	65.6	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0
>= 4500	55.0	62.1	64.6	66.1	67.1	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7
>= 4000	56.6	64.2	66.8	68.3	69.7	69.9	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
>= 3500	57.2	65.1	67.7	69.2	70.7	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6
>= 3000	58.3	66.7	69.5	71.1	72.6	73.2	73.5	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>= 2500	59.7	68.7	71.6	73.4	75.0	75.6	75.9	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
>= 2000	60.8	70.0	73.2	75.1	76.8	77.5	77.9	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.4
>= 1800	61.4	70.8	73.9	75.9	77.5	78.3	78.7	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
>= 1500	62.4	72.5	75.8	77.9	79.8	80.7	81.1	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
>= 1200	62.6	73.3	76.9	79.6	81.6	82.7	83.2	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8
>= 1000	62.7	74.2	77.9	80.7	82.9	84.0	84.7	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.5	85.5
>= 900	62.7	74.5	78.4	81.3	83.8	85.0	85.7	86.2	86.2	86.5	86.6	86.6	86.6	86.6	86.7	86.7
>= 800	62.7	74.7	78.8	81.8	84.4	85.6	86.4	86.9	87.0	87.4	87.5	87.5	87.5	87.5	87.6	87.6
>= 700	62.8	75.2	79.6	82.7	85.9	87.2	88.0	88.6	88.7	89.2	89.5	89.5	89.5	89.5	89.6	89.6
>= 600	62.9	75.6	80.0	83.5	87.2	88.6	89.9	90.6	90.7	91.5	91.7	91.7	91.7	91.7	91.8	91.8
>= 500	62.9	75.9	80.3	84.2	88.2	89.8	91.5	92.3	92.4	93.2	93.6	93.6	93.6	93.6	93.7	93.7
>= 400	62.9	76.0	80.3	84.4	88.8	90.6	92.8	93.8	94.0	95.0	95.6	95.6	95.7	95.7	95.8	95.8
>= 300	62.9	76.0	80.3	84.4	89.1	90.9	93.4	94.6	95.0	96.3	97.2	97.2	97.4	97.4	97.5	97.5
>= 200	62.9	76.0	80.3	84.4	89.1	90.9	93.4	94.7	95.1	96.6	97.6	97.6	98.3	98.4	98.5	98.5
>= 100	62.9	76.0	80.3	84.4	89.1	90.9	93.4	94.7	95.1	96.8	98.1	98.1	98.8	99.1	99.2	99.5
>= 0	62.9	76.0	80.3	84.4	89.1	90.9	93.4	94.7	95.1	96.8	98.1	98.1	99.0	99.2	99.6	100.0

TOTAL NO. OF OBS : 1170

2 - CEILING VS VISIBILITY

019765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	43.6	48.5	49.6	49.9	50.4	50.5	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
>=20000	46.9	52.5	53.7	54.1	54.8	54.9	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
>=18000	47.0	52.6	53.8	54.2	54.9	55.0	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=16000	47.0	52.6	53.8	54.2	54.9	55.0	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=14000	47.6	53.3	54.5	54.9	55.7	55.8	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=12000	49.1	55.6	56.8	57.3	58.2	58.3	58.6	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9
>=10000	51.0	58.3	59.5	60.2	61.4	61.6	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
>= 9000	51.9	59.5	60.7	61.5	62.8	63.1	63.4	63.5	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>= 8000	52.8	60.7	62.1	63.0	64.4	64.6	65.0	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4
>= 7000	54.0	62.1	63.8	64.6	66.1	66.4	66.7	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
>= 6000	54.6	62.9	64.7	65.6	67.0	67.4	67.7	67.8	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
>= 5000	55.2	64.2	66.2	67.3	68.8	69.1	69.4	69.6	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 4500	55.6	65.0	67.0	68.2	69.6	70.1	70.5	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
>= 4000	56.2	66.4	68.4	69.7	71.4	71.9	72.4	72.5	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
>= 3500	56.8	67.5	69.6	71.1	72.8	73.3	73.8	74.0	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
>= 3000	57.8	69.1	71.3	72.8	74.5	75.1	75.6	75.9	76.0	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3
>= 2500	59.0	70.6	72.9	74.7	76.5	77.2	78.0	78.4	78.5	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
>= 2000	59.6	71.7	74.3	76.2	78.1	78.9	79.8	80.2	80.4	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7
>= 1800	59.9	72.0	74.6	76.5	78.6	79.5	80.5	80.9	81.1	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5
>= 1500	60.2	72.8	75.7	77.8	80.0	81.0	82.1	82.5	82.7	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2
>= 1200	60.5	73.7	76.9	79.0	81.3	82.3	83.4	83.9	84.1	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
>= 1000	60.8	74.3	77.5	79.8	82.4	83.4	84.6	85.1	85.3	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
>= 900	60.8	74.7	78.1	80.5	83.1	84.2	85.5	86.1	86.2	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1
>= 800	60.9	75.0	78.4	81.0	83.6	84.8	86.3	87.2	87.3	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.4
>= 700	60.9	75.2	78.7	81.5	84.6	85.7	87.3	88.2	88.4	89.2	89.5	89.5	89.5	89.6	89.6	89.6	89.6
>= 600	61.0	75.6	79.4	82.5	86.0	87.2	89.0	90.1	90.3	91.4	91.7	91.7	91.7	91.7	91.7	91.8	91.8
>= 500	61.1	75.7	79.5	82.6	86.6	87.9	90.0	91.6	91.8	92.9	93.5	93.5	93.5	93.7	93.8	93.9	93.9
>= 400	61.1	75.7	79.5	82.7	86.8	88.4	90.7	92.4	92.7	94.2	95.0	95.0	95.0	95.3	95.5	95.6	95.6
>= 300	61.1	75.7	79.5	82.7	86.8	88.6	91.0	92.8	93.0	94.9	96.1	96.2	96.2	96.7	97.0	97.1	97.1
>= 200	61.1	75.7	79.5	82.7	86.8	88.6	91.0	92.8	93.0	95.1	96.7	96.9	96.9	97.8	98.4	98.7	98.7
>= 100	61.1	75.7	79.5	82.7	86.8	88.6	91.0	92.8	93.0	95.3	96.9	97.1	97.1	98.0	98.6	99.3	99.4
>= 0	61.1	75.7	79.5	82.7	86.8	88.6	91.0	92.8	93.0	95.3	96.9	97.1	97.1	98.0	98.6	99.5	100.0

TOTAL NO. OF OBS : 1162

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																			
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0				
UNLIMIT	46.3	49.8	50.3	50.8	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0				
>=20000	49.1	53.9	54.6	55.1	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4				
>=18000	49.1	54.0	54.7	55.2	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5				
>=16000	49.1	54.0	54.7	55.2	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5				
>=14000	49.3	54.3	55.0	55.6	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8				
>=12000	50.6	56.0	56.7	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6				
>=10000	53.1	59.3	60.0	60.7	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2				
>= 9000	54.1	60.5	61.3	62.1	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6				
>= 8000	55.4	62.6	63.7	64.5	64.8	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2				
>= 7000	56.3	63.7	64.9	65.6	66.1	66.1	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5				
>= 6000	56.8	64.7	65.8	66.6	67.0	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4				
>= 5000	57.8	66.3	67.7	68.6	69.0	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5				
>= 4500	58.4	67.3	68.7	69.6	70.1	70.2	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7				
>= 4000	59.7	68.8	70.4	71.3	71.9	72.0	72.2	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5				
>= 3500	60.6	70.0	71.7	72.8	73.5	73.6	73.7	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2				
>= 3000	61.7	71.9	73.6	74.9	75.7	75.8	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4				
>= 2500	63.4	74.2	76.3	77.8	78.7	78.8	79.1	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7				
>= 2000	64.3	75.7	78.0	79.4	80.5	80.7	81.2	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9				
>= 1800	64.6	76.3	78.6	80.3	81.4	81.6	82.1	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8				
>= 1500	65.5	77.6	80.2	81.9	83.2	83.4	84.2	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1				
>= 1200	65.5	78.1	81.0	82.8	84.2	84.6	85.6	86.0	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6				
>= 1000	65.9	79.0	81.9	83.8	85.4	85.8	86.8	87.3	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9				
>= 900	65.9	79.2	82.3	84.3	86.0	86.6	87.8	88.3	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9				
>= 800	65.9	79.5	82.5	84.7	86.5	87.0	88.6	89.4	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4				
>= 700	65.9	79.9	83.2	85.5	87.3	87.9	89.8	90.7	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7				
>= 600	65.9	80.0	83.5	86.2	88.3	88.9	91.0	92.2	92.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5				
>= 500	65.9	80.0	83.5	86.4	88.6	89.5	91.6	93.1	93.3	94.6	95.1	95.2	95.2	95.2	95.2	95.2				
>= 400	65.9	80.0	83.5	86.5	88.7	89.7	91.9	93.4	93.5	95.3	96.0	96.1	96.1	96.1	96.1	96.1				
>= 300	65.9	80.0	83.5	86.5	88.7	89.7	92.0	93.6	93.8	96.0	97.1	97.2	97.2	97.2	97.2	97.2				
>= 200	65.9	80.0	83.5	86.6	88.8	89.8	92.1	93.7	93.9	96.4	97.6	97.7	97.7	97.7	97.7	97.7				
>= 100	65.9	80.0	83.5	86.6	88.8	89.8	92.1	93.7	93.9	96.5	97.7	97.8	97.8	97.8	97.8	97.8				
>= 0	65.9	80.0	83.5	86.6	88.8	89.8	92.1	93.7	93.9	96.5	97.7	97.8	97.8	97.8	97.8	100.0				

TOTAL NO. OF OBS : 1161

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN
HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.3	48.4	48.6	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
>=20000	47.6	52.5	52.8	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
>=18000	47.6	52.5	52.8	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
>=16000	47.6	52.5	52.8	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
>=14000	48.7	53.8	54.1	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
>=12000	50.4	55.9	56.4	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
>=10000	53.1	59.1	59.9	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
>= 9000	53.5	59.7	60.5	61.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
>= 8000	55.0	61.6	62.8	63.7	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
>= 7000	55.7	62.7	64.2	65.1	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
>= 6000	56.3	63.6	65.1	66.2	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
>= 5000	57.7	65.2	66.9	68.0	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>= 4500	58.4	66.6	68.4	69.6	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
>= 4000	60.1	69.3	71.3	72.6	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
>= 3500	61.2	71.0	73.0	74.5	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>= 3000	62.8	73.1	75.2	76.8	77.4	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>= 2500	63.1	74.3	76.6	78.3	79.0	79.2	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
>= 2000	64.0	76.0	78.6	80.5	81.4	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
>= 1800	64.4	76.7	79.3	81.3	82.2	82.6	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
>= 1500	65.2	78.1	81.1	83.3	84.5	85.1	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
>= 1200	65.3	78.6	81.8	84.5	85.7	86.5	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
>= 1000	65.3	79.0	82.2	85.0	86.3	87.1	87.5	87.9	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
>= 900	65.3	79.1	82.6	85.3	86.6	87.4	87.9	88.3	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
>= 800	65.4	79.4	83.0	85.8	87.2	88.0	88.8	89.2	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
>= 700	65.4	79.4	83.2	86.2	88.0	88.9	89.8	90.3	90.5	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
>= 600	65.4	79.5	83.3	86.6	88.9	89.8	90.9	91.5	91.8	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
>= 500	65.4	79.5	83.3	86.8	89.2	90.2	91.7	93.0	93.2	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
>= 400	65.4	79.5	83.3	86.9	89.6	90.6	92.2	93.6	93.8	95.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
>= 300	65.4	79.5	83.3	86.9	89.6	90.6	92.4	93.8	94.2	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
>= 200	65.4	79.5	83.3	86.9	89.7	90.7	92.5	93.9	94.3	96.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
>= 100	65.4	79.5	83.3	86.9	89.7	90.7	92.5	93.9	94.3	96.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
>= 0	65.4	79.5	83.3	86.9	89.7	90.7	92.5	93.9	94.3	96.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NO. OF OBS : 1153

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1/2	>=5/8	>=1
UNLIMIT	47.2	51.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7
>=20000	50.2	54.2	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
>=18000	50.2	54.2	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
>=16000	50.2	54.2	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
>=14000	50.6	54.8	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6
>=12000	52.7	57.0	57.5	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0
>=10000	55.5	60.1	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4
>=9000	56.6	61.3	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
>=8000	57.1	62.1	62.9	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
>=7000	58.8	64.1	65.1	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0
>=6000	59.7	65.1	66.0	66.5	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
>=5000	61.2	66.8	67.9	68.4	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.1
>=4500	62.5	68.3	69.3	69.8	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5
>=4000	64.0	70.4	71.6	72.2	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.1
>=3500	65.5	72.3	73.7	74.4	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.3
>=3000	66.8	73.7	75.1	76.0	76.7	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.3
>=2500	67.9	75.3	76.8	77.6	78.4	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
>=2000	69.2	77.1	78.8	79.9	80.7	80.8	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5
>=1800	69.3	77.5	79.1	80.2	81.1	81.2	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9	82.0
>=1500	70.0	78.9	80.6	82.2	83.1	83.2	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1
>=1200	70.4	79.8	81.5	83.5	84.4	84.5	85.1	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.8
>=1000	70.7	80.8	82.6	84.7	85.7	85.9	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.3
>=900	70.7	81.2	83.1	85.7	86.9	87.3	88.0	88.6	88.6	88.8	88.8	88.8	88.8	88.9	88.9	89.0
>=800	70.7	81.4	83.4	86.0	87.5	88.0	88.7	89.5	89.7	89.9	89.9	89.9	89.9	90.0	90.0	90.1
>=700	70.7	81.5	83.5	86.9	88.6	89.2	90.1	90.9	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.6
>=600	70.7	81.7	83.9	87.7	89.6	90.1	91.3	92.1	92.4	92.8	92.8	92.8	92.8	93.0	93.0	93.1
>=500	70.7	81.8	84.1	88.1	90.2	90.8	92.5	93.2	93.5	94.1	94.1	94.1	94.1	94.4	94.4	94.5
>=400	70.7	81.8	84.1	88.4	90.7	91.3	93.6	94.5	94.7	95.5	95.8	95.8	95.8	96.2	96.3	96.4
>=300	70.7	81.8	84.1	88.4	91.0	91.6	94.2	95.2	95.6	96.6	97.1	97.1	97.1	97.6	97.7	97.7
>=200	70.7	81.8	84.1	88.4	91.0	91.6	94.3	95.4	95.8	97.1	97.6	97.6	97.6	98.4	98.5	98.6
>=100	70.7	81.8	84.1	88.4	91.0	91.6	94.4	95.6	95.9	97.3	97.7	97.7	97.7	98.7	98.8	99.4
>=0	70.7	81.8	84.1	88.4	91.0	91.6	94.4	95.6	95.9	97.3	97.7	97.7	97.7	98.7	98.8	100.0

TOTAL NO. OF OBS : 1154

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JAN
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	46.6	50.8	51.5	51.8	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.1	52.2
>=20000	49.6	54.0	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.4	55.5
>=18000	49.6	54.0	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.4	55.5
>=16000	49.7	54.1	54.8	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.5	55.5
>=14000	50.6	55.0	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.4	56.5
>=12000	52.5	57.2	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.7
>=10000	54.9	60.3	61.0	61.4	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.9	62.0
>= 9000	56.2	61.8	62.8	63.2	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.7	63.8
>= 8000	56.9	62.9	63.9	64.3	64.5	64.5	64.5	64.5	64.5	64.6	64.7	64.7	64.7	64.7	64.8	64.9
>= 7000	58.6	64.8	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.8	66.9
>= 6000	59.3	65.9	66.9	67.3	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.8	68.0
>= 5000	60.8	67.8	68.9	69.3	69.6	69.7	69.7	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.2	70.2
>= 4500	62.4	69.6	70.8	71.3	71.6	71.8	71.8	71.8	71.9	71.9	72.0	72.1	72.1	72.1	72.2	72.3
>= 4000	64.1	71.9	73.1	73.8	74.2	74.4	74.4	74.4	74.5	74.5	74.6	74.7	74.7	74.7	74.9	75.0
>= 3500	65.1	73.0	74.2	74.9	75.4	75.6	75.6	75.6	75.7	75.8	75.8	75.9	75.9	75.9	76.1	76.2
>= 3000	66.2	74.6	75.9	76.6	77.1	77.3	77.3	77.3	77.4	77.5	77.6	77.6	77.6	77.6	77.8	77.9
>= 2500	67.3	76.4	78.0	78.7	79.3	79.5	79.5	79.5	79.6	79.7	79.8	79.9	79.9	79.9	80.1	80.1
>= 2000	68.6	77.9	79.5	80.3	81.0	81.3	81.3	81.3	81.4	81.4	81.5	81.6	81.6	81.6	81.8	81.9
>= 1800	68.9	78.3	80.0	80.7	81.4	81.7	81.7	81.7	81.9	82.0	82.0	82.1	82.1	82.1	82.3	82.4
>= 1500	69.6	79.7	81.5	82.4	83.2	83.5	83.5	83.5	83.8	83.9	84.0	84.1	84.1	84.1	84.3	84.4
>= 1200	70.1	80.9	82.9	83.8	84.7	85.0	85.0	85.0	85.4	85.5	85.6	85.6	85.6	85.6	85.8	85.9
>= 1000	70.2	81.5	83.7	84.7	85.8	86.1	86.2	86.2	86.5	86.6	86.7	86.8	86.8	86.8	86.9	87.0
>= 900	70.3	82.0	84.3	85.4	86.6	86.8	86.9	87.3	87.4	87.4	87.5	87.6	87.6	87.6	87.8	87.9
>= 800	70.3	82.5	85.2	86.4	87.8	88.0	88.2	88.7	88.9	89.1	89.2	89.2	89.2	89.2	89.3	89.4
>= 700	70.4	82.7	85.6	87.2	88.9	89.2	89.3	89.9	90.1	90.4	90.5	90.5	90.5	90.5	90.6	90.7
>= 600	70.6	83.4	86.4	88.5	90.5	90.7	91.1	91.9	92.2	92.4	92.5	92.5	92.5	92.5	92.7	92.8
>= 500	70.6	83.4	86.6	89.0	91.4	91.8	92.4	93.6	93.8	94.5	94.6	94.6	94.6	94.6	94.8	94.8
>= 400	70.6	83.4	86.8	89.3	91.9	92.3	92.9	94.3	94.6	95.6	96.0	96.0	96.0	96.0	96.2	96.3
>= 300	70.6	83.4	86.8	89.3	92.3	92.7	93.5	95.2	95.4	96.8	97.5	97.5	97.7	97.7	97.9	97.9
>= 200	70.6	83.4	86.8	89.3	92.3	92.7	93.6	95.4	95.7	97.4	98.1	98.1	98.4	98.5	98.7	98.8
>= 100	70.6	83.4	86.8	89.3	92.3	92.7	93.6	95.4	95.7	97.4	98.4	98.4	98.7	98.8	99.4	99.5
>= 0	70.6	83.4	86.8	89.3	92.3	92.7	93.6	95.4	95.7	97.4	98.4	98.4	98.7	98.9	99.7	100.0

TOTAL NO. OF OBS : 1163

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN
HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1/2	>=5/8	>=3/4	>=5/16	>=1/4	>=0
UNLIMIT	44.8	48.8	49.4	49.8	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
>=20000	47.5	52.1	52.8	53.3	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8
>=18000	47.6	52.1	52.8	53.3	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
>=16000	47.6	52.2	52.9	53.4	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9
>=14000	48.3	53.0	53.7	54.2	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7
>=12000	49.9	54.9	55.7	56.2	56.5	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9
>=10000	52.5	58.2	59.0	59.6	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
>= 9000	53.5	59.3	60.2	60.9	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
>= 8000	54.6	60.8	61.9	62.6	63.1	63.2	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
>= 7000	55.8	62.3	63.4	64.2	64.7	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2
>= 6000	56.4	63.1	64.4	65.1	65.7	65.8	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
>= 5000	57.9	65.1	66.5	67.4	68.0	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
>= 4500	58.9	66.5	68.0	69.0	69.5	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
>= 4000	60.2	68.4	70.0	71.1	71.8	71.9	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
>= 3500	61.2	69.7	71.3	72.5	73.2	73.4	73.6	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
>= 3000	62.5	71.5	73.2	74.5	75.3	75.5	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1
>= 2500	63.8	73.3	75.2	76.6	77.5	77.8	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4
>= 2000	64.7	74.8	76.8	78.4	79.4	79.7	80.1	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6
>= 1800	65.1	75.4	77.5	79.0	80.1	80.5	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3
>= 1500	65.7	76.6	78.9	80.7	81.9	82.3	82.8	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
>= 1200	66.1	77.5	80.0	82.0	83.3	83.8	84.4	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.1
>= 1000	66.3	78.3	80.9	83.0	84.5	85.0	85.7	86.0	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
>= 900	66.4	78.7	81.4	83.7	85.4	86.0	86.7	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6
>= 800	66.5	79.1	82.0	84.4	86.2	86.9	87.8	88.3	88.4	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0
>= 700	66.5	79.4	82.4	85.3	87.4	88.1	89.1	89.7	89.9	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.6
>= 600	66.6	79.7	82.9	86.1	88.6	89.3	90.6	91.3	91.5	92.2	92.4	92.4	92.4	92.4	92.5	92.6	92.6
>= 500	66.6	79.8	83.1	86.5	89.3	90.2	91.7	92.7	92.9	93.8	94.1	94.1	94.1	94.1	94.3	94.4	94.4
>= 400	66.6	79.9	83.1	86.8	89.8	90.8	92.5	93.7	93.9	95.1	95.6	95.6	95.6	95.6	95.9	96.0	96.1
>= 300	66.6	79.9	83.2	86.8	90.0	91.0	93.0	94.3	94.6	96.1	96.9	97.0	97.0	97.0	97.4	97.5	97.6
>= 200	66.6	79.9	83.2	86.8	90.0	91.1	93.1	94.4	94.7	96.5	97.5	97.6	97.6	97.6	98.3	98.4	98.6
>= 100	66.6	79.9	83.2	86.8	90.0	91.1	93.1	94.5	94.8	96.6	97.7	97.7	97.7	97.7	98.6	98.8	99.4
>= 0	66.6	79.9	83.2	86.8	90.0	91.1	93.1	94.5	94.8	96.6	97.7	97.7	97.7	97.7	98.6	98.8	99.3

TOTAL NO. OF OBS : 9282

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT.	1 - 31	4 - 61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	Σ				WIND	
DIR.																SPEED	
N	.5	2.2	5.0	3.4	.2	.4	.0	.0	.0	.0	.0	11.7	9.7				
NNE	.3	.7	2.0	1.4	.7	.3	.0	.0	.0	.0	.0	5.2	11.2				
NE	.4	.7	1.8	.7	.1	.0	.0	.0	.0	.0	.0	3.7	8.4				
ENE	.3	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	1.9	7.2				
E	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.8	6.4				
ESE	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4	8.5				
SE	.4	.7	.2	.5	.1	.0	.0	.0	.0	.0	.0	1.8	7.4				
SSE	.1	1.2	.7	.3	.1	.1	.1	.0	.0	.0	.0	2.5	8.6				
S	.8	1.9	1.3	.6	.1	.1	.0	.0	.0	.0	.0	4.8	7.0				
SSW	.4	1.4	1.0	.7	.0	.4	.0	.0	.0	.0	.0	3.9	9.0				
SW	.7	1.0	2.1	2.0	.4	.0	.0	.0	.0	.0	.0	6.1	9.4				
WSW	.5	2.1	2.8	2.1	.6	.0	.0	.0	.0	.0	.0	8.0	9.0				
W	.7	2.1	2.9	1.8	.0	.3	.0	.0	.0	.0	.0	7.8	8.5				
WNW	.6	2.1	4.2	4.3	.7	.3	.0	.0	.0	.0	.0	12.2	10.3				
NW	.3	2.5	4.0	5.1	.2	.1	.0	.0	.0	.0	.0	12.2	9.8				
NNW	.3	2.1	2.9	3.5	.4	.2	.0	.0	.0	.0	.0	9.4	10.1				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.0				
ALL	6.3	22.0	31.7	26.8	3.4	2.1	.1	.0	.0	.0	.0	100.0	8.7				

TOTAL NO. OF OBS : 1073

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

DIA765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT.		1	1	3	4	-	6	7	10	11	16	17	21	SPEED (KNOTS)					TOTAL		MEAN					
DIR.		1	1	3	4	-	6	7	10	11	16	17	21	22	27	28	33	34	40	41	47	48	55	>56	%	SPEED
N		.7	2.8	3.8	3.7		.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	9.8
NNE		.1	1.4	1.2	1.8		.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	10.1
NE		.4	.7	1.3	.7		.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	9.6
ENE		.1	.4	1.0	.1		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.2
E		.1	.3	.2	.2		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.4
ESE		.2	.4	.5	.2		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.0
SE		.2	.3	.4	.2		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	8.5
SSE		.3	.7	.5	.5		.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.8
S		.6	1.1	1.7	.6		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	7.7
SSW		.2	1.3	1.0	.8		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	8.5
SW		.7	2.1	1.8	1.4		.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	8.7
WSW		.5	1.8	2.8	2.0		.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	5.3
W		.8	2.7	2.7	1.7		.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	8.4
WNW		.7	2.2	4.5	3.3		.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	10.0
NW		.9	3.0	4.1	4.3		.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.1	9.5
NNW		.7	2.2	3.6	2.8		.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	9.2
VAR		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CCLM		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0
ALL		7.1	23.3	31.0	24.0		4.8	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.5

TOTAL NO. OF OBS : 1073

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	3	4	5	6	WIND	SPEED
N	.4	3.1	4.8	2.9	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	9.7
NNE	.1	.9	1.9	1.7	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	10.8
NE	.4	.6	1.2	1.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	10.4
ENE	.2	.4	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0
E	.1	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.7
ESE	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.3
SE	.1	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	10.2
SSE	.4	.6	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.6
S	.7	2.0	.7	.9	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.8
SSW	.6	1.4	1.2	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.8
SW	.7	2.3	1.9	1.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	8.6
WSW	.5	1.6	2.8	1.6	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	9.4
W	.5	2.1	5.0	1.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	8.6
WNW	.3	2.1	4.0	3.4	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	10.3
NW	.5	2.7	4.1	3.4	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	9.7
NNW	.5	2.2	3.7	3.1	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.3	5.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	.0
ALL	5.9	23.1	33.6	23.4	5.1	1.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.8

TOTAL NO. OF OBS : 1073

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

Q14765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	
N	.5	1.6	4.4	6.2	.8	.3	.0	.0	.0	.0	13.7	11.1
NNE	.2	.7	2.8	2.2	.7	.2	.1	.0	.0	.0	6.9	11.4
NE	.2	1.5	2.0	1.4	.3	.2	.0	.0	.0	.0	5.5	9.5
ENE	.2	.6	.9	.4	.1	.0	.0	.0	.0	.0	2.1	8.5
E	.1	.6	.5	.2	.0	.0	.0	.0	.0	.0	1.3	7.5
ESE	.4	.4	.6	.2	.1	.0	.0	.0	.0	.0	1.6	7.1
SE	.3	.7	.8	.7	.0	.1	.0	.0	.0	.0	2.5	8.9
SSE	.3	.7	.7	1.2	.1	.1	.0	.0	.0	.0	3.1	9.8
S	.1	1.4	2.0	1.2	.5	.1	.0	.0	.0	.0	5.2	9.7
SSW	.0	.6	.5	.7	.1	.2	.0	.0	.0	.0	2.1	11.2
SW	.2	.5	1.4	1.5	1.1	.1	.2	.0	.0	.0	4.9	13.0
WSW	.2	.5	2.1	2.2	.7	.2	.0	.0	.0	.0	5.9	11.3
W	.1	.5	1.5	3.9	1.1	.4	.0	.0	.0	.0	7.5	13.1
WNW	.3	.5	1.1	5.7	1.7	1.1	.1	.0	.0	.0	10.4	14.6
NW	.4	1.0	3.4	7.3	1.9	.6	.0	.0	.0	.0	14.5	12.6
NNW	.1	.7	2.9	4.4	.9	.2	.0	.0	.0	.0	9.2	12.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0
ALL	3.4	12.2	27.5	39.3	10.1	3.6	.4	.0	.0	.0	100.0	11.2

TOTAL NO. OF OBS : 1073

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	%	%	%	%	%	%
N	.3	.9	4.1	5.0	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	11.4
NNE	.0	.5	2.1	2.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	12.0
NE	.1	1.1	1.4	1.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	10.5
ENE	.3	.4	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.3
E	.3	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	8.6
ESE	.0	.6	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.6
SE	.2	.7	.9	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.7
SSE	.1	1.0	1.5	2.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	10.9
S	.3	.7	1.7	2.0	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	11.2
SSW	.1	.3	.4	1.2	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	13.1
SW	.3	.4	.9	2.6	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	12.3
WSW	.1	.7	1.8	2.7	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	12.3
W	.1	.3	1.9	2.9	1.6	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.5	14.2
WNW	.2	.3	2.1	7.0	2.4	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.5	14.7
NW	.1	.7	2.1	5.2	2.5	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	14.4
NNW	.1	1.0	2.4	3.3	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	12.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0
ALL	2.4	10.2	26.1	41.8	12.3	5.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	12.1

TOTAL NO. OF OBS : 1073

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	1	2	3	4	5		
N	.0	1.0	3.2	3.5	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	11.8
NNE	.2	.3	3.1	2.0	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	11.1
NE	.3	.4	1.7	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	10.1
ENE	.0	.6	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	9.7
E	.3	.8	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.4
ESE	.1	.9	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.9
SE	.2	.8	2.1	1.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	9.5
SSE	.3	.8	3.3	1.7	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	9.6
S	.1	.5	2.9	2.9	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	11.1
SSW	.1	.2	1.1	2.1	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	12.4
SW	.0	.5	1.0	2.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	12.4
WSW	.1	.5	.8	2.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	12.1
W	.2	.7	1.9	3.9	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	12.4
WNW	.0	.5	2.7	7.8	3.1	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.5	14.6
NW	.2	.7	2.6	5.8	1.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.0	13.4
NNW	.0	.8	1.6	3.4	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	12.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0
ALL	2.0	10.1	29.6	41.9	10.5	3.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	11.8

TOTAL NO. OF OBS : 1073

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : FEB
 CLASS : ALL WEATHER HOUR : 1900 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)												TOTAL		MEAN	
16 PT.		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	8				
DIR.																	
N	.4	1.4	2.3	2.9	.4	.3	.0	.0	.0	.0	.0	.0	7.6	10.4			
NNE	.2	.7	1.4	1.9	.6	.3	.1	.0	.0	.0	.0	.0	5.1	11.8			
NE	.4	1.3	1.1	1.6	.2	.0	.0	.0	.0	.0	.0	.0	4.6	9.1			
ENE	.1	.6	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	2.4	9.1			
E	.3	.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.7	7.4			
ESE	.0	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.7	7.9			
SE	.5	1.1	1.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	3.3	6.9			
SSE	.5	1.3	.7	.4	.2	.1	.2	.0	.0	.0	.0	.0	3.3	8.9			
S	.7	2.8	2.8	.9	.3	.2	.1	.0	.0	.0	.0	.0	7.8	8.1			
SSW	.3	2.1	2.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	6.7	8.5			
SW	.2	2.3	1.9	1.9	.0	.0	.1	.0	.0	.0	.0	.0	6.3	8.7			
WSW	.2	1.4	2.9	1.0	.4	.0	.0	.0	.0	.0	.0	.0	5.9	8.6			
W	.5	1.4	2.1	2.1	.3	.2	.0	.0	.0	.0	.0	.0	6.4	9.7			
WNW	.5	1.9	5.1	6.3	1.4	.3	.2	.0	.0	.0	.0	.0	15.6	11.2			
NW	.1	1.6	3.5	5.5	.9	.2	.0	.0	.0	.0	.0	.0	11.8	11.3			
NNW	.0	.9	2.1	2.8	.6	.2	.0	.0	.0	.0	.0	.0	6.5	11.2			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0			
ALL	4.7	22.1	32.1	29.6	6.0	1.7	.7	.0	.0	.0	.0	.0	100.0	9.5			

TOTAL NO. OF OBS : 1072

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : FEB
 CLASS : ALL WEATHER HOUR : 2200 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL		MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	%	%	%	%	%	%	
N	.7	1.8	3.4	3.4	.8	.0	.1	.0	.0	.0	.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
NNE	.0	1.0	2.1	1.7	.4	.3	.0	.0	.0	.0	.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
NE	.2	.7	1.1	1.1	.1	.0	.0	.0	.0	.0	.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
ENE	.0	.7	.5	.2	.1	.1	.0	.0	.0	.0	.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
E	.1	.4	.6	.2	.1	.0	.0	.0	.0	.0	.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
ESE	.1	.4	.4	.2	.2	.1	.0	.0	.0	.0	.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
SE	.3	1.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SSE	.5	.8	.8	.5	.0	.1	.0	.0	.0	.0	.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
S	.7	2.8	1.5	.7	.4	.0	.0	.0	.0	.0	.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
SSW	.4	2.1	1.2	1.0	.2	.0	.1	.0	.0	.0	.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
SW	1.2	1.9	2.8	1.5	.2	.0	.3	.0	.0	.0	.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
WSW	.5	2.6	2.2	1.3	.3	.0	.0	.0	.0	.0	.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
W	.5	2.0	4.2	1.6	.5	.2	.0	.0	.0	.0	.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
WNW	.1	1.5	4.8	5.3	.9	.4	.0	.0	.0	.0	.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
NW	.6	2.0	3.3	4.4	1.0	.1	.0	.0	.0	.0	.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
NNW	.6	1.5	3.0	2.7	.5	.2	.0	.0	.0	.0	.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
ALL	6.0	23.2	32.2	25.9	5.7	1.4	.5	.0	.0	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1073

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	1 - 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.															%	WIND
SPEED (KNOTS)																
N	.4	1.9	3.9	3.9	.7	.3	.0*	.0	.0	.0	.0	.0	.0	.0	11.0	10.5
NNE	.1	.8	2.1	1.9	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	5.7	11.2
NE	.3	.9	1.4	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.2	9.6
ENE	.1	.5	.8	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.7
E	.2	.5	.4	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.6
ESE	.1	.5	.5	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.9
SE	.3	.7	.8	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.6
SSE	.3	.9	1.1	1.0	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	3.5	9.3
S	.5	1.6	1.8	1.2	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	5.6	8.9
SSW	.2	1.2	1.2	1.0	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	4.0	9.5
SW	.5	1.4	1.7	1.9	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	6.0	9.9
WSW	.3	1.4	2.3	1.9	.4	.2	.0*	.0	.0	.0	.0	.0	.0	.0	6.5	9.9
W	.4	1.5	2.8	2.4	.7	.3	.0	.0*	.0	.0	.0	.0	.0	.0	8.1	10.4
WNW	.3	1.4	3.6	5.4	1.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	12.9	12.2
NW	.3	1.8	3.4	5.1	1.2	.4	.0*	.0	.0	.0	.0	.0	.0	.0	12.3	11.4
NNW	.3	1.5	2.8	3.3	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	8.6	10.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CCLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0
ALL	4.7	18.3	30.5	31.6	7.2	2.6	.4	.0*	.0	.0	.0	.0	.0	.0	100.0	9.9

TOTAL NO. OF OBS : 8583

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : FEB
HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1/2	>=5/8	>=3/4	>=5/16	>=1/4	>=0
UNLIMIT	47.2	50.8	51.3	51.6	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0
>=20000	49.7	53.4	53.8	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
>=18000	49.7	53.4	53.8	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
>=16000	49.7	53.4	53.8	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
>=14000	50.5	54.3	54.8	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5
>=12000	52.1	55.9	56.4	56.7	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
>=10000	55.1	59.1	59.8	60.2	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
>= 9000	55.6	59.7	60.3	60.7	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4
>= 8000	56.7	61.1	61.9	62.3	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.1	63.1	63.1
>= 7000	58.0	62.8	63.6	64.0	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9
>= 6000	59.0	64.0	64.9	65.4	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.3
>= 5000	60.2	65.4	66.3	66.9	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7	67.7	67.7
>= 4500	61.7	67.2	68.1	68.6	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.5
>= 4000	63.6	69.2	70.1	70.6	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6
>= 3500	64.4	70.4	71.3	71.9	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9
>= 3000	65.4	71.8	72.6	73.3	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3	74.3	74.3
>= 2500	67.2	73.8	74.8	75.5	76.1	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.7	76.7	76.7
>= 2000	68.3	75.3	76.3	77.1	77.9	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6
>= 1800	69.1	76.4	77.5	78.6	79.3	79.4	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	80.0	80.0	80.0
>= 1500	69.9	77.7	78.8	80.3	81.3	81.4	81.7	81.7	81.8	81.9	81.9	81.9	81.9	81.9	82.1	82.1	82.1
>= 1200	70.3	78.7	80.0	81.4	82.4	82.5	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4
>= 1000	70.8	79.5	80.9	82.5	83.6	83.7	84.1	84.1	84.3	84.4	84.7	84.7	84.7	84.7	84.9	84.9	84.9
>= 900	71.0	80.3	81.9	83.8	84.9	85.0	85.6	86.0	86.1	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6
>= 800	71.1	80.6	82.3	84.0	85.8	86.0	86.7	87.3	87.4	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0
>= 700	71.2	81.8	83.7	86.0	87.6	87.8	88.6	89.3	89.5	89.9	89.9	89.9	89.9	89.9	90.1	90.1	90.1
>= 600	71.3	82.3	84.3	86.7	88.4	88.8	90.1	90.9	91.2	91.6	91.6	91.6	91.6	91.6	91.9	91.9	91.9
>= 500	71.3	82.3	84.4	87.0	89.0	89.4	90.9	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.9	92.9	93.0
>= 400	71.3	82.5	84.6	87.2	89.5	90.1	91.9	93.0	93.3	94.1	94.1	94.1	94.1	94.1	94.4	94.4	94.5
>= 300	71.3	82.5	84.6	87.4	90.2	90.8	93.1	94.5	94.9	96.1	96.4	96.4	96.4	96.4	96.7	96.7	96.8
>= 200	71.3	82.5	84.6	87.4	90.3	90.9	93.3	94.8	95.2	96.5	97.0	97.0	97.0	97.0	97.6	97.6	97.8
>= 100	71.3	82.5	84.6	87.4	90.3	90.9	93.3	94.8	95.2	96.7	97.3	97.4	97.4	97.4	98.7	98.8	99.1
>= 0	71.3	82.5	84.6	87.4	90.3	90.9	93.3	94.8	95.2	96.7	97.4	97.4	97.4	97.4	98.8	98.9	99.3
																	100.0

TOTAL NO. OF OBS : 1059

2 - CEILING VS VISIBILITY

01765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0		
UNLIMIT	45.3	48.3	48.9	49.2	49.5	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.8	49.8		
>=20000	47.7	51.3	51.8	52.2	52.5	52.5	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8		
>=18000	47.8	51.4	51.9	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.9	52.9		
>=16000	47.8	51.4	51.9	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.9	52.9		
>=14000	48.1	51.9	52.5	52.9	53.2	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.5	53.5		
>=12000	49.4	53.5	54.1	54.5	54.8	54.8	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.1		
>=10000	52.0	56.7	57.4	57.9	58.2	58.2	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6		
>= 9000	53.0	57.7	58.6	59.0	59.3	59.3	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.7	59.7		
>= 8000	54.1	59.1	60.0	60.5	60.8	60.8	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3		
>= 7000	55.3	60.9	61.9	62.6	62.9	62.9	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5		
>= 6000	56.3	62.0	62.9	63.8	64.0	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.6	64.6		
>= 5000	57.8	64.1	65.1	65.9	66.2	66.3	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8		
>= 4500	59.0	65.6	66.5	67.4	67.7	67.8	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3		
>= 4000	60.0	67.3	68.2	69.1	69.5	69.6	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1		
>= 3500	60.8	68.7	69.7	70.6	71.1	71.1	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.6		
>= 3000	62.4	70.9	71.9	72.8	73.3	73.4	73.6	73.7	73.7	73.7	73.8	73.8	73.9	73.9	74.0	74.0		
>= 2500	64.0	73.4	74.6	75.7	76.3	76.4	76.6	76.8	76.8	76.8	76.9	76.9	77.0	77.0	77.1	77.1		
>= 2000	65.1	75.0	76.3	77.4	78.3	78.5	78.7	78.9	78.9	78.9	79.0	79.0	79.1	79.1	79.2	79.2		
>= 1800	65.7	76.3	77.6	79.0	79.9	80.1	80.3	80.5	80.5	80.5	80.6	80.6	80.7	80.7	80.8	80.8		
>= 1500	66.6	77.5	79.0	80.4	81.6	81.7	82.0	82.2	82.2	82.2	82.3	82.3	82.4	82.4	82.5	82.5		
>= 1200	67.0	78.4	79.9	81.5	82.8	83.0	83.3	83.7	83.9	84.0	84.1	84.1	84.2	84.2	84.3	84.3		
>= 1000	67.6	79.8	81.5	83.3	84.6	84.8	85.1	85.6	85.8	85.9	86.0	86.0	86.1	86.1	86.2	86.2		
>= 900	67.9	80.5	82.4	84.3	85.7	85.9	86.5	86.9	87.1	87.2	87.3	87.3	87.4	87.4	87.5	87.5		
>= 800	68.2	81.1	83.2	85.4	87.2	87.4	88.2	88.7	88.9	89.0	89.2	89.2	89.3	89.3	89.4	89.4		
>= 700	68.3	81.5	83.5	86.0	88.0	88.4	89.4	90.0	90.2	90.3	90.5	90.5	90.6	90.6	90.7	90.7		
>= 600	68.3	81.6	83.7	86.4	88.6	89.0	90.3	91.1	91.3	91.5	91.9	91.9	92.0	92.0	92.1	92.1		
>= 500	68.3	81.7	84.1	86.8	89.3	89.8	91.2	92.3	92.5	92.9	93.3	93.3	93.4	93.4	93.5	93.5		
>= 400	68.3	81.9	84.3	87.3	89.9	90.4	92.0	93.4	93.6	94.2	94.8	94.8	95.0	95.1	95.2	95.2		
>= 300	68.3	82.0	84.4	87.7	90.4	91.1	93.0	94.8	95.0	95.7	96.4	96.4	96.6	96.7	97.0	97.0		
>= 200	68.3	82.0	84.4	87.8	90.7	91.4	93.5	95.4	95.6	96.3	97.2	97.2	97.6	97.7	98.1	98.2		
>= 100	68.3	82.0	84.4	87.8	90.7	91.4	93.6	95.5	95.6	96.4	97.4	97.4	98.1	98.3	99.0	99.1		
>= 0	68.3	82.0	84.4	87.8	90.7	91.4	93.6	95.5	95.6	96.4	97.4	97.5	98.2	98.4	99.2	100.0		

TOTAL NO. OF OBS : 1057

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.3	45.5	46.6	47.4	47.9	48.0	48.0	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.4
>=20000	42.5	47.9	49.2	50.2	50.8	50.8	50.8	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.3
>=18000	42.7	48.1	49.3	50.5	51.0	51.1	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.6
>=16000	42.7	48.1	49.3	50.5	51.0	51.1	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.6
>=14000	43.5	49.2	50.7	51.9	52.5	52.5	52.5	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	53.0
>=12000	44.9	51.0	52.5	53.9	54.6	54.7	54.7	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.2
>=10000	46.7	53.3	55.2	56.7	57.5	57.6	57.6	57.7	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.2
>= 9000	47.7	54.5	56.5	58.1	59.1	59.2	59.2	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.7
>= 8000	48.9	56.0	58.2	60.0	60.9	61.0	61.2	61.4	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.9
>= 7000	50.1	57.6	60.0	61.8	62.9	63.0	63.2	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.9
>= 6000	50.9	59.1	61.4	63.4	64.6	64.7	64.9	65.1	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.6
>= 5000	52.2	60.8	63.2	65.5	66.7	66.8	67.0	67.2	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.7
>= 4500	53.1	62.1	64.5	66.8	68.0	68.1	68.3	68.5	68.6	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.1
>= 4000	54.1	63.4	66.1	68.6	70.0	70.1	70.4	70.6	70.7	70.8	70.8	70.8	70.8	70.9	70.9	70.9	71.1
>= 3500	55.2	64.9	67.6	70.1	71.7	71.8	72.2	72.4	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.9
>= 3000	56.6	67.2	69.9	72.5	74.2	74.4	74.9	75.1	75.2	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.7
>= 2500	58.0	69.2	72.0	74.7	76.4	76.8	77.3	77.5	77.5	77.7	77.8	77.8	77.9	77.9	77.9	77.9	78.1
>= 2000	59.1	70.8	73.7	76.6	78.4	78.8	79.3	79.5	79.6	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.2
>= 1800	59.2	71.0	74.0	77.0	78.9	79.2	79.9	80.2	80.3	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.8
>= 1500	59.7	72.1	75.0	78.1	80.0	80.4	81.3	81.7	81.8	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.4
>= 1200	60.3	72.9	76.0	79.3	81.5	81.9	82.9	83.4	83.5	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.2
>= 1000	60.6	73.5	76.6	80.1	82.4	82.9	84.2	84.7	84.8	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.6
>= 900	60.6	74.1	77.5	81.1	83.6	84.2	85.5	86.0	86.1	86.4	86.4	86.8	86.8	86.9	86.9	86.9	87.1
>= 800	60.7	74.3	77.9	81.7	84.2	84.7	86.1	86.7	86.8	87.5	87.5	87.8	87.8	87.9	87.9	87.9	88.1
>= 700	60.9	74.7	78.4	82.5	85.4	86.2	87.6	88.4	88.5	89.2	89.5	89.5	89.5	89.7	89.7	89.7	89.9
>= 600	60.9	74.8	78.8	83.1	85.9	86.9	88.6	89.4	89.5	90.6	90.6	90.9	90.9	91.3	91.3	91.3	91.5
>= 500	60.9	74.9	79.1	83.5	86.9	87.8	89.9	91.0	91.2	92.5	93.1	93.1	93.1	93.5	93.5	93.5	93.8
>= 400	60.9	75.0	79.2	83.8	87.3	88.2	90.8	92.2	92.6	94.2	95.0	95.0	95.0	95.4	95.4	95.5	95.8
>= 300	60.9	75.1	79.2	83.9	87.5	88.4	91.1	92.6	93.1	95.0	96.0	96.0	96.0	96.7	96.7	96.8	97.1
>= 200	60.9	75.1	79.2	83.9	87.5	88.4	91.1	92.6	93.2	95.2	96.5	96.5	96.5	97.5	97.5	97.9	98.3
>= 100	60.9	75.1	79.2	83.9	87.5	88.4	91.1	92.6	93.2	95.3	96.6	96.6	96.6	97.9	98.0	98.6	99.2
>= 0	60.9	75.1	79.2	83.9	87.5	88.4	91.1	92.6	93.2	95.3	96.6	96.6	96.6	97.9	98.0	98.8	100.0

TOTAL NO. OF OBS : 1060

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : FEB
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.5	48.0	49.2	49.4	49.8	49.9	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.2	50.2
>=20000	45.8	52.2	53.6	53.8	54.2	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7
>=18000	45.8	52.3	53.6	53.9	54.3	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
>=16000	45.8	52.3	53.6	53.9	54.3	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
>=14000	46.4	53.6	55.0	55.3	55.6	55.7	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1
>=12000	47.9	55.5	57.0	57.3	57.7	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
>=10000	50.0	58.3	60.4	60.9	61.3	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
>=9000	50.9	59.3	61.7	62.3	62.8	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3
>=8000	52.1	61.1	63.6	64.2	64.7	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
>=7000	52.6	61.7	64.4	65.0	65.6	65.8	65.9	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3
>=6000	52.9	62.4	65.1	65.8	66.4	66.5	66.6	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0
>=5000	53.6	63.5	66.3	66.9	67.6	67.8	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
>=4500	53.9	64.2	67.0	67.7	68.4	68.6	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
>=4000	54.9	65.5	68.5	69.3	70.1	70.3	70.4	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8
>=3500	55.3	66.3	69.4	70.1	71.3	71.5	71.6	71.7	71.7	71.8	71.8	71.9	71.9	71.9	71.9	72.0	72.0
>=3000	56.1	68.0	71.2	72.0	73.2	73.6	73.9	74.0	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.5	74.5
>=2500	57.3	69.6	73.0	74.0	75.2	75.6	76.0	76.1	76.1	76.3	76.4	76.4	76.4	76.5	76.5	76.6	76.6
>=2000	58.0	70.7	74.3	75.5	76.9	77.3	77.8	77.9	77.9	78.3	78.5	78.5	78.5	78.6	78.6	78.7	78.7
>=1800	58.4	71.4	75.1	76.3	77.6	78.2	78.7	78.8	78.8	79.2	79.4	79.4	79.4	79.5	79.5	79.6	79.6
>=1500	59.1	72.7	76.9	78.3	79.6	80.3	80.9	81.0	81.0	81.6	81.8	81.8	81.8	81.9	81.9	82.0	82.0
>=1200	59.3	74.0	78.5	80.1	81.5	82.2	82.8	83.0	83.0	83.8	84.0	84.0	84.0	84.1	84.1	84.2	84.2
>=1000	59.8	74.9	79.6	81.6	83.1	83.9	84.6	84.9	84.9	85.8	86.1	86.1	86.1	86.2	86.2	86.3	86.3
>=900	60.0	75.3	80.1	82.3	84.1	85.0	85.8	86.1	86.1	86.9	87.2	87.2	87.2	87.5	87.5	87.6	87.6
>=800	60.1	75.5	80.5	82.7	84.6	85.7	86.7	87.4	87.4	88.3	88.6	88.6	88.6	88.9	88.9	89.0	89.0
>=700	60.2	75.7	80.9	83.2	85.3	86.4	87.8	88.5	88.5	89.5	89.8	89.8	89.8	90.0	90.1	90.2	90.2
>=600	60.4	76.2	81.5	84.1	86.8	88.2	89.8	91.0	91.0	92.1	92.5	92.5	92.6	93.0	93.1	93.2	93.2
>=500	60.4	76.2	81.6	84.3	87.5	88.9	90.5	92.0	92.0	93.5	94.1	94.1	94.2	94.7	94.8	94.9	94.9
>=400	60.4	76.2	81.7	84.4	87.6	89.1	91.1	92.8	92.8	94.7	95.4	95.4	95.5	96.0	96.3	96.4	96.4
>=300	60.4	76.2	81.7	84.4	87.7	89.3	91.3	93.0	93.0	95.2	96.0	96.0	96.1	97.1	97.5	97.7	97.8
>=200	60.4	76.2	81.7	84.4	87.7	89.4	91.3	93.0	93.1	95.4	96.3	96.3	96.4	97.6	98.3	98.5	98.6
>=100	60.4	76.2	81.7	84.4	87.8	89.4	91.4	93.1	93.2	95.5	96.5	96.5	96.5	97.8	98.5	99.1	99.4
>=0	60.4	76.2	81.7	84.4	87.8	89.4	91.4	93.1	93.2	95.5	96.4	96.4	96.5	97.8	98.5	99.1	100.0

TOTAL NO. OF OBS : 1055

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.6	48.4	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
>=20000	48.4	52.8	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
>=18000	48.5	52.9	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
>=16000	48.5	52.9	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
>=14000	49.1	53.5	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
>=12000	50.8	55.6	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>=10000	52.5	57.7	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
>=9000	53.1	59.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
>=8000	54.2	60.6	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
>=7000	54.6	61.5	62.6	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
>=6000	54.9	61.8	62.9	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>=5000	55.4	62.6	63.7	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>=4500	56.7	64.1	65.5	65.8	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>=4000	58.2	66.0	67.4	67.7	67.9	67.9	68.0	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
>=3500	60.0	68.6	70.3	70.6	70.9	71.1	71.1	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
>=3000	62.1	71.5	73.3	73.8	74.2	74.4	74.4	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
>=2500	63.9	73.7	75.8	76.4	76.8	77.0	77.1	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5
>=2000	65.1	76.3	78.6	79.2	79.6	79.9	80.1	80.1	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
>=1800	65.4	77.0	79.4	80.1	80.5	80.8	81.0	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
>=1500	65.8	78.1	80.7	81.7	82.1	82.5	83.0	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
>=1200	66.1	78.9	81.7	83.1	83.8	84.3	84.8	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
>=1000	66.2	79.6	82.3	83.9	84.7	85.3	85.9	86.6	86.6	87.2	87.5	87.5	87.5	87.5	87.5	87.5
>=900	66.3	80.3	83.1	84.8	85.8	86.5	87.3	88.1	88.1	88.7	89.0	89.0	89.0	89.0	89.0	89.0
>=800	66.5	80.6	83.8	85.7	86.9	87.6	88.8	89.6	89.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0
>=700	66.7	81.0	84.1	86.1	87.5	88.3	89.4	90.7	90.7	91.9	92.4	92.4	92.4	92.4	92.4	92.4
>=600	66.7	81.1	84.2	86.5	88.1	89.0	90.5	92.0	92.0	93.1	93.6	93.6	93.7	93.7	93.7	93.7
>=500	66.7	81.1	84.2	86.7	88.3	89.2	90.8	92.5	92.5	94.1	94.7	94.8	94.9	94.9	94.9	94.9
>=400	66.7	81.1	84.2	86.7	88.3	89.3	91.2	93.0	93.1	95.1	95.9	96.0	96.4	96.4	96.4	96.4
>=300	66.7	81.1	84.2	86.7	88.4	89.4	91.4	93.2	93.3	95.7	97.0	97.1	97.6	98.0	98.0	98.0
>=200	66.7	81.1	84.2	86.7	88.4	89.4	91.5	93.3	93.4	95.9	97.5	97.7	98.5	99.0	99.2	99.2
>=100	66.7	81.1	84.2	86.7	88.4	89.4	91.5	93.3	93.4	96.0	97.6	97.8	98.9	99.2	99.4	99.7
>=0	66.7	81.1	84.2	86.7	88.4	89.4	91.5	93.3	93.4	96.0	97.6	97.8	98.9	99.2	99.4	100.0

TOTAL NO. OF OBS : 1059

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=C
UNLIMIT	45.9	49.1	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
>=20000	49.6	53.3	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
>=18000	49.8	53.5	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
>=16000	49.8	53.5	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
>=14000	50.9	54.8	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
>=12000	52.0	56.3	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
>=10000	55.0	59.8	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
>= 9000	55.9	60.8	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
>= 8000	57.3	62.9	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>= 7000	58.1	64.3	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
>= 6000	58.4	64.6	65.8	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>= 5000	59.8	66.9	68.1	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 4500	60.9	68.4	69.7	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
>= 4000	62.5	70.3	71.7	72.1	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
>= 3500	63.8	72.1	73.5	73.9	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
>= 3000	65.2	73.9	75.5	75.9	76.4	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
>= 2500	66.4	75.5	77.0	77.5	77.9	78.0	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
>= 2000	67.7	77.6	79.3	79.8	80.4	80.5	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
>= 1800	67.7	77.8	79.4	80.2	80.8	80.9	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
>= 1500	68.2	78.7	80.6	81.4	82.2	82.3	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
>= 1200	68.6	79.5	82.1	83.1	84.3	84.5	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
>= 1000	68.6	80.2	82.9	83.9	85.2	85.3	86.1	86.4	86.5	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
>= 900	68.6	80.3	83.2	84.4	85.9	86.1	86.9	87.3	87.4	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1
>= 800	68.6	80.7	83.5	84.9	86.4	86.7	87.5	88.3	88.4	89.3	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5
>= 700	68.7	80.8	83.7	85.3	87.0	87.4	88.5	89.5	89.6	90.7	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
>= 600	68.8	80.9	83.9	85.4	87.7	88.4	89.9	91.4	91.5	92.8	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3
>= 500	68.8	80.9	83.9	85.6	87.9	88.7	90.6	92.2	92.5	94.1	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8
>= 400	68.8	80.9	83.9	85.6	88.0	88.9	91.2	93.0	93.3	95.5	96.4	96.4	96.4	96.6	96.6	96.8	96.8	96.8
>= 300	68.8	80.9	83.9	85.6	88.1	89.0	91.3	93.3	93.7	96.1	97.2	97.2	97.2	97.7	97.7	98.0	98.0	98.1
>= 200	68.8	80.9	83.9	85.6	88.1	89.0	91.4	93.6	94.0	96.5	97.8	97.8	97.8	98.6	98.6	99.0	99.1	99.4
>= 100	68.8	80.9	83.9	85.6	88.1	89.0	91.4	93.6	94.0	96.5	97.8	97.8	97.8	98.7	98.7	99.0	99.5	99.8
>= 0	68.8	80.9	83.9	85.6	88.1	89.0	91.4	93.6	94.0	96.5	97.8	97.8	97.8	98.7	98.7	99.0	99.5	100.0

TOTAL NO. OF OBS : 1051

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	48.9	52.1	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
>=20000	52.2	56.0	56.5	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
>=18000	52.2	56.1	56.5	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
>=16000	52.3	56.2	56.6	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
>=14000	53.1	57.3	57.9	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
>=12000	55.0	59.8	60.3	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>=10000	57.5	62.5	63.2	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>= 9000	58.6	64.0	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
>= 8000	59.7	65.4	66.1	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
>= 7000	60.3	66.6	67.4	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
>= 6000	60.9	67.3	68.0	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>= 5000	62.1	68.6	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 4500	63.0	70.0	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
>= 4000	64.2	71.6	72.5	72.8	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
>= 3500	65.4	73.3	74.2	74.6	75.0	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>= 3000	67.2	75.4	76.5	76.9	77.4	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
>= 2500	67.8	76.7	77.8	78.2	78.8	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>= 2000	68.8	78.3	79.5	79.9	80.6	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
>= 1800	69.1	79.0	80.4	80.8	81.5	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
>= 1500	69.4	80.0	81.5	82.2	82.9	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
>= 1200	69.8	80.7	82.4	83.2	84.3	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
>= 1000	69.8	81.2	83.2	84.4	85.6	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
>= 900	69.9	81.7	83.8	85.2	86.3	86.6	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
>= 800	69.9	81.8	84.0	85.6	87.0	87.6	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
>= 700	70.1	82.3	84.6	86.6	88.3	89.0	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
>= 600	70.2	82.4	84.9	87.1	89.2	89.8	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
>= 500	70.2	82.4	85.0	87.6	90.3	91.0	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
>= 400	70.2	82.4	85.2	87.8	90.8	91.5	92.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
>= 300	70.2	82.4	85.2	87.8	90.8	91.6	92.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
>= 200	70.2	82.4	85.2	87.8	90.8	91.6	92.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
>= 100	70.2	82.5	85.3	87.9	90.9	91.7	93.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
>= 0	70.2	82.5	85.3	87.9	90.9	91.7	93.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NO. OF OBS : 1054

2 - CEILING VS VISIBILITY

Q14765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : FEB
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	50.0	52.6	53.2	53.3	53.4	53.4	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7
>=20000	52.7	55.4	55.9	56.0	56.3	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
>=18000	52.8	55.5	56.0	56.1	56.4	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
>=16000	53.1	55.7	56.3	56.4	56.7	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0
>=14000	53.4	56.1	56.8	57.0	57.4	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
>=12000	55.3	58.2	58.9	59.1	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8
>=10000	57.9	61.0	61.7	61.9	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>= 9000	58.9	62.1	62.9	63.1	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
>= 8000	60.0	63.7	64.6	64.8	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5
>= 7000	61.4	65.3	66.2	66.5	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
>= 6000	62.1	66.1	67.0	67.3	67.7	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0
>= 5000	63.2	67.8	68.7	69.1	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
>= 4500	64.8	69.7	70.6	71.0	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
>= 4000	65.9	70.9	71.7	72.2	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
>= 3500	66.9	72.0	72.9	73.5	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
>= 3000	68.3	74.1	75.2	75.8	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7
>= 2500	69.1	75.2	76.3	77.0	77.6	77.6	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.1
>= 2000	70.3	77.1	78.3	79.2	80.0	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.7
>= 1800	70.7	77.6	78.7	79.7	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.1
>= 1500	71.0	78.4	79.7	80.7	81.7	81.9	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.9
>= 1200	71.6	79.2	80.7	82.0	83.2	83.4	84.0	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.5
>= 1000	71.8	80.3	81.9	83.3	84.8	85.1	85.7	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.3
>= 900	72.2	80.9	82.6	84.0	85.6	86.0	86.7	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.3
>= 800	72.2	81.5	83.2	84.7	86.7	87.2	87.9	88.2	88.2	88.5	88.6	88.6	88.7	88.7	88.7	88.8
>= 700	72.2	81.8	83.6	85.3	87.7	88.2	89.3	89.7	89.7	89.9	90.0	90.0	90.1	90.1	90.1	90.2
>= 600	72.2	82.3	84.1	85.9	88.8	89.3	90.5	91.1	91.1	91.6	91.7	91.7	91.8	91.8	91.8	91.9
>= 500	72.2	82.5	84.3	86.1	89.6	90.1	91.6	92.3	92.3	93.0	93.2	93.2	93.3	93.3	93.3	93.4
>= 400	72.2	82.5	84.4	86.4	89.9	90.6	92.5	93.5	93.5	94.4	94.8	94.8	95.0	95.1	95.1	95.2
>= 300	72.2	82.5	84.5	86.8	90.6	91.4	93.4	94.5	94.5	95.6	96.4	96.4	96.6	96.6	96.6	96.7
>= 200	72.2	82.5	84.5	86.8	90.7	91.5	93.7	95.0	95.0	96.4	97.8	97.8	98.0	98.3	98.4	98.6
>= 100	72.2	82.5	84.5	86.8	90.7	91.5	93.7	95.0	95.0	96.4	97.8	97.8	98.0	98.4	98.6	98.9
>= 0	72.2	82.5	84.5	86.8	90.7	91.5	93.7	95.0	95.0	96.4	97.8	97.8	98.2	98.6	99.1	100.0

TOTAL NO. OF OBS : 1044

2 - CEILING VS VISIBILITY

014745 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : FEB
HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	45.6	49.3	50.0	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7
>=20000	48.6	52.8	53.5	53.8	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3
>=18000	48.6	52.9	53.6	53.9	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
>=16000	48.7	52.9	53.6	54.0	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5
>=14000	49.4	53.9	54.6	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5
>=12000	50.9	55.7	56.6	57.0	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
>=10000	53.3	58.5	59.6	60.1	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7
>=9000	54.2	59.6	60.8	61.3	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
>=8000	55.4	61.2	62.5	63.1	63.4	63.5	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
>=7000	56.3	62.6	63.9	64.5	64.9	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3
>=6000	56.9	63.4	64.7	65.4	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2
>=5000	58.0	65.0	66.3	67.1	67.5	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9
>=4500	59.1	66.4	67.9	68.6	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5
>=4000	60.4	68.0	69.5	70.3	70.8	70.9	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3
>=3500	61.5	69.5	71.1	71.9	72.6	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
>=3000	62.9	71.6	73.2	74.1	74.9	75.0	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5
>=2500	64.2	73.4	75.2	76.1	76.9	77.1	77.3	77.4	77.4	77.4	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7
>=2000	65.3	75.1	77.0	78.1	79.0	79.2	79.5	79.6	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	80.0
>=1800	65.6	75.8	77.8	79.0	79.9	80.1	80.4	80.4	80.4	80.4	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.9	80.9
>=1500	66.2	76.9	79.0	80.4	81.4	81.7	82.1	82.1	82.1	82.3	82.3	82.3	82.5	82.6	82.6	82.6	82.6	82.7	82.7
>=1200	66.6	77.8	80.2	81.7	83.0	83.3	83.8	84.1	84.1	84.2	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6
>=1000	66.9	78.6	81.1	82.9	84.2	84.6	85.2	85.6	85.6	85.6	85.6	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.3
>=900	67.1	79.2	81.8	83.7	85.2	85.7	86.4	86.8	86.9	87.3	87.3	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.6
>=800	67.2	79.5	82.3	84.4	86.1	86.6	87.5	88.1	88.1	88.1	88.1	88.7	88.7	88.9	88.9	89.0	89.0	89.1	89.1
>=700	67.3	79.9	82.8	85.1	87.1	87.7	88.8	89.5	89.5	89.6	89.6	90.2	90.4	90.4	90.4	90.6	90.6	90.6	90.6
>=600	67.3	80.2	83.2	85.6	87.9	88.7	90.0	91.0	91.0	91.0	91.1	91.9	92.2	92.2	92.2	92.4	92.4	92.5	92.5
>=500	67.3	80.3	83.3	85.9	88.6	89.4	90.9	92.1	92.1	92.1	92.3	93.3	93.8	93.8	93.8	94.0	94.0	94.1	94.1
>=400	67.3	80.3	83.4	86.1	88.9	89.8	91.6	93.1	93.1	93.2	94.6	95.3	95.3	95.3	95.3	95.6	95.7	95.7	95.8
>=300	67.3	80.3	83.5	86.3	89.2	90.1	92.2	93.8	94.0	94.0	95.6	96.5	96.5	96.5	96.5	97.0	97.2	97.2	97.3
>=200	67.3	80.3	83.5	86.3	89.3	90.2	92.3	94.0	94.0	94.2	96.0	97.2	97.2	97.2	97.2	97.9	98.2	98.3	98.3
>=100	67.3	80.4	83.5	86.3	89.3	90.2	92.4	94.0	94.3	94.3	96.1	97.3	97.3	97.3	97.4	98.3	98.6	99.0	99.3
>=0	67.3	80.4	83.5	86.3	89.3	90.2	92.4	94.0	94.3	94.3	96.1	97.3	97.3	97.4	97.4	98.3	98.6	99.2	100.0

TOTAL NO. OF OBS : 8439

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.																
SPEED (KNOTS)																
N	.6	2.2	4.5	4.1	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	12.3	9.9
NNE	.3	1.0	1.2	1.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	4.9	11.0
NE	.3	1.2	1.5	1.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.1	9.9
ENE	.1	.6	.8	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.8
E	.0	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.6
ESE	.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.5
SE	.6	1.4	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.3
SSE	.4	1.3	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.9
S	1.0	2.5	1.6	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	7.2
SSW	.1	1.4	1.6	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	8.5
SW	.7	1.3	1.5	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.6
WSW	.3	1.9	2.6	1.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.6	9.3
W	.3	2.6	2.7	2.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	8.1	8.8
WNW	.4	2.0	4.7	3.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	11.6	10.1
NW	.3	1.5	4.3	3.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	9.8
NNW	.3	1.8	3.8	3.2	.8	.0	.0	.1	.0	.0	.0	.0	.0	.0	10.0	10.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0
ALL	5.6	23.5	33.1	26.0	4.6	1.1	.2	.1	.0	.0	.0	.0	.0	.0	100.0	8.7

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56								%	
DIR.																					
N	.4	2.1	4.7	4.1	.7	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	12.1	10.2			
NNE	.2	.8	1.6	2.1	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	11.7			
NE	.0	1.1	2.5	1.9	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	10.0			
ENE	.3	.8	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.6			
E	.2	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.3			
ESE	.2	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	8.2			
SE	.3	.9	1.1	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	8.6			
SSE	.6	.8	.8	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	8.3			
S	.9	1.3	1.5	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.1			
SSW	.3	1.0	1.1	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.9			
SW	.5	1.9	1.1	.9	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	8.4			
WSW	.3	2.2	2.7	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	8.4			
W	.6	2.7	3.7	1.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	8.5			
WNW	.4	1.8	4.6	3.2	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	9.9			
NW	.3	2.5	5.3	3.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	9.3			
NNW	.4	1.2	3.3	3.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	10.1			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	.0			
ALL	5.9	22.0	35.1	23.9	4.8	1.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.7			

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																		
16 PT.	1	-	31	4	-	61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	TOTAL	MEAN	
DIR.	1															Σ		WIND
N	.4		2.8		5.5		5.0		.3		.2		.0		.0	14.3		9.9
NNE	.2		1.2		2.6		2.0		.7		.2		.1		.0	7.0		10.9
NE	.2		.8		1.9		2.0		.3		.1		.0		.0	5.1		10.2
NNE	.1		.7		1.0		.7		.0		.1		.0		.0	2.5		8.8
E	.1		.3		.8		.3		.0		.0		.0		.0	1.4		8.1
ESE	.1		.3		.2		.2		.1		.0		.0		.0	.8		8.6
SE	.5		.5		.8		.3		.1		.0		.0		.0	2.2		7.3
SSE	.6		1.2		1.2		.3		.1		.0		.0		.0	3.4		7.1
S	.5		1.9		1.5		.8		.2		.2		.0		.0	5.1		8.1
SSW	.4		.9		1.1		.5		.1		.1		.0		.0	3.1		8.1
SW	.8		2.0		1.2		.8		.4		.2		.0		.0	5.4		8.3
WSW	.4		1.5		1.8		1.5		.2		.2		.0		.0	5.6		9.2
W	.4		2.0		3.6		2.9		.3		.2		.0		.0	9.3		9.5
WNW	.5		1.8		3.6		4.9		.8		.2		.0		.0	11.8		10.9
NW	.3		1.4		3.9		3.8		.6		.0		.0		.0	10.1		10.2
NNW	.4		1.3		3.0		3.5		.3		.2		.0		.0	8.7		10.6
VAR	.0		.0		.0		.0		.0		.0		.0		.0	.0		.0
CLM	.0		.0		.0		.0		.0		.0		.0		.0	4.2		.0
ALL	5.9		20.5		33.5		29.6		4.4		1.6		.1		.0	100.0		9.2

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
16 PT. 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)															TOTAL		MEAN
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%			
DIR.																SPEED	
N	.1	1.5	2.3	4.7	1.5	.5	.0	.0	.0	.0	.0	.0	.0	10.6	12.5		
NNE	.1	1.0	2.0	2.9	.5	.4	.1	.0	.0	.0	.0	.0	.0	7.0	11.9		
NE	.1	.6	1.8	2.2	.3	.3	.1	.0	.0	.0	.0	.0	.0	5.3	11.8		
ENE	.1	.7	.9	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.3	10.1		
E	.2	.3	1.1	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.4	9.4		
ESE	.0	.3	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.4		
SE	.3	.8	1.9	1.8	.2	.3	.1	.0	.0	.0	.0	.0	.0	5.3	11.0		
SSE	.2	.3	2.8	3.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	7.6	11.7		
S	.2	.6	1.4	3.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	6.0	11.6		
SSW	.1	.2	.6	1.6	.9	.5	.2	.0	.0	.0	.0	.0	.0	4.1	15.5		
SW	.2	.5	.7	1.3	.8	.3	.1	.0	.0	.0	.0	.0	.0	3.8	13.2		
WSW	.0	.2	.6	2.1	1.1	.4	.1	.0	.0	.0	.0	.0	.0	4.5	15.1		
W	.0	.2	1.0	2.7	1.5	.3	.0	.1	.0	.0	.0	.0	.0	5.9	14.9		
WNW	.2	.2	1.1	6.0	2.9	1.4	.0	.0	.0	.0	.0	.0	.0	11.8	15.4		
NW	.0	.8	1.8	5.9	2.2	.3	.0	.0	.0	.0	.0	.0	.0	11.0	13.6		
NNW	.1	.6	1.9	4.7	1.5	.6	.0	.0	.0	.0	.0	.0	.0	9.3	13.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
ALL	1.7	8.7	22.8	45.2	14.7	5.8	.6	.1	.0	.0	.0	.0	.0	100.0	12.9		

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)															TOTAL	MEAN
16 PT.	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED		
DIR.	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
N	.0	.3	3.1	3.7	1.3	.2	.0	.0	.0	.0	.0	8.6	12.2			
NNE	.1	.8	1.2	2.7	.5	.2	.1	.0	.0	.0	.0	5.5	12.4			
NE	.0	.6	2.4	2.0	.8	.2	.0	.0	.0	.0	.0	5.9	11.7			
ENE	.0	.5	.8	.7	.2	.0	.0	.0	.0	.0	.0	2.1	10.1			
E	.2	.3	1.2	.5	.0	.1	.0	.0	.0	.0	.0	2.3	9.0			
ESE	.0	.4	.7	.7	.3	.0	.0	.0	.0	.0	.0	2.0	10.5			
SE	.3	.5	2.0	2.0	.4	.1	.0	.0	.0	.0	.0	5.3	10.6			
SSE	.1	.9	3.3	4.6	.5	.0	.1	.0	.0	.0	.0	9.5	11.1			
S	.2	.5	2.3	4.6	.4	.2	.0	.0	.1	.0	.0	8.2	12.0			
SSW	.0	.0	1.4	2.0	.8	.1	.2	.0	.0	.0	.0	4.5	14.1			
SW	.0	.3	.4	2.1	.8	.5	.0	.0	.0	.0	.0	4.2	14.7			
WSW	.0	.2	.6	1.8	.4	.3	.0	.0	.0	.0	.0	3.2	13.8			
W	.0	.2	1.4	3.1	1.0	.5	.0	.1	.0	.0	.0	6.3	14.3			
WNW	.0	.3	1.7	6.3	2.5	.8	.1	.0	.0	.0	.0	11.7	14.6			
NW	.0	.5	2.2	5.7	2.5	.3	.3	.0	.0	.0	.0	11.6	14.4			
NNW	.1	.5	1.4	4.2	1.6	.3	.0	.0	.0	.0	.0	8.1	13.4			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
ALL	.9	7.0	26.1	46.6	14.2	3.6	.8	.1	.1	.0	.0	100.0	12.7			

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																		
16 PT.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN	
DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	3	WIND
N			.3		.8		2.0	2.6	.6	.0	.0	.0	.0	.0	.0	6.3	11.1	
NNE		.0		.7		2.4	2.1		.4	.3	.0	.0	.0	.0	.0	5.9	11.3	
NE		.0		.6		2.0	1.0		.3	.2	.2	.0	.0	.0	.0	4.2	11.2	
ENE		.4		.6		1.7	1.1		.1	.1	.0	.0	.0	.0	.0	4.0	9.3	
E		.3		.5		.8		.4	.0	.0	.0	.0	.0	.0	.0	2.0	7.5	
ESE		.0		.7		.3		.4	.1	.1	.0	.0	.0	.0	.0	1.6	9.4	
SE		.4		1.1		1.7		.4	.3	.0	.0	.0	.0	.0	.0	3.9	7.9	
SSE		.5		1.5		1.8		1.0	.0	.0	.0	.1	.0	.0	.0	4.9	8.2	
S		.4		3.7		5.0		2.0	.3	.0	.0	.0	.0	.0	.0	11.4	8.2	
SSW		.1		1.4		3.5		1.7	.4	.0	.0	.0	.0	.0	.0	7.0	9.2	
SW		.2		1.0		2.1		1.5	.4	.1	.0	.0	.0	.0	.0	5.3	9.9	
WSW		.1		.9		2.0		.8	.2	.3	.0	.0	.0	.0	.0	4.2	9.7	
W		.2		1.5		2.3		1.5	.2	.2	.1	.0	.0	.0	.0	5.9	9.8	
WNW		.1		1.8		3.6		5.6	1.7	.2	.0	.0	.0	.0	.0	12.9	11.5	
NW		.0		1.3		4.3		4.9	1.2	.1	.0	.0	.0	.0	.0	11.8	11.3	
NNW		.0		.9		1.5		3.0	1.1	.0	.0	.0	.0	.0	.0	6.5	11.9	
VAR		.0		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM		.0		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	
ALL	2.9	18.9				37.2	30.1	7.2	7.2	1.4	.3	.1	.0	.0	.0	100.0	5.9	

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL		MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND
N	.3	.2	.3	.3	.6	.8	.1	.0	.0	.0	.0	10.0	10.3
NNE	.3	.5	1.8	1.5	.6	.2	.1	.0	.0	.0	.0	4.9	11.6
NE	.3	1.2	1.4	1.1	.3	.1	.1	.0	.0	.0	.0	4.4	9.5
ENE	.1	.6	.7	.4	.1	.0	.0	.0	.0	.0	.0	1.9	8.5
E	.2	.4	.7	.4	.0	.0	.1	.0	.0	.0	.0	1.8	9.0
ESE	.1	.4	.5	.3	.0	.0	.0	.0	.0	.0	.0	1.3	7.7
SE	.3	1.6	1.1	.2	.3	.1	.0	.0	.0	.0	.0	3.5	7.7
SSE	.6	1.4	1.0	.8	.3	.2	.0	.0	.0	.0	.0	4.2	8.5
S	.7	3.7	3.0	.8	.1	.0	.0	.0	.0	.0	.0	8.2	6.9
SSW	.3	2.1	1.4	.6	.2	.1	.0	.0	.0	.0	.0	4.7	7.5
SW	.3	2.2	1.9	1.0	.3	.2	.0	.0	.0	.0	.0	5.9	8.9
WSW	.2	2.1	2.0	.8	.4	.0	.0	.0	.0	.0	.0	5.6	8.5
W	.1	1.8	2.6	2.0	.2	.5	.0	.0	.0	.0	.0	7.1	10.1
WNW	.3	2.5	4.0	5.5	.5	.2	.0	.0	.0	.0	.0	13.0	10.3
NW	.3	1.5	4.7	4.8	1.0	.1	.0	.0	.0	.0	.0	12.4	10.8
NNW	.1	.8	2.7	2.0	.9	.3	.0	.0	.0	.0	.0	7.0	11.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	.0
ALL	4.2	25.0	32.8	25.8	5.9	2.0	.3	.0	.0	.0	.0	100.0	5.2

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : PAR
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT. 1 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561																%	WIND SPEED
DIR. 1																	

TOTAL NO. OF OBS : 9423

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAR
HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	45.4	47.7	48.1	48.5	48.7	48.7	48.8	48.8	48.8	49.0	49.0	49.0	49.1	49.1	49.1	49.2
>=20000	47.5	50.2	50.6	51.0	51.2	51.2	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.6	51.7
>=18000	47.6	50.3	50.7	51.1	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.8
>=16000	47.6	50.3	50.7	51.1	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.8
>=14000	48.5	51.2	51.6	52.1	52.2	52.2	52.3	52.3	52.3	52.5	52.5	52.5	52.6	52.6	52.7	52.7
>=12000	50.2	53.1	53.5	54.0	54.1	54.1	54.2	54.2	54.2	54.4	54.4	54.4	54.5	54.5	54.6	54.6
>=10000	52.9	56.2	56.6	57.0	57.2	57.2	57.3	57.3	57.3	57.5	57.5	57.5	57.6	57.6	57.7	57.7
>=9000	54.3	57.7	58.2	58.6	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0	59.1	59.1	59.2	59.3
>=8000	55.4	58.9	59.5	60.0	60.2	60.2	60.3	60.3	60.3	60.5	60.5	60.5	60.6	60.6	60.7	60.7
>=7000	57.3	61.3	61.9	62.4	62.6	62.6	62.8	62.8	62.8	63.0	63.0	63.0	63.1	63.1	63.2	63.2
>=6000	58.1	62.3	63.0	63.4	63.7	63.7	63.8	63.8	63.8	64.0	64.0	64.0	64.1	64.1	64.2	64.3
>=5000	60.0	64.7	65.5	66.0	66.3	66.3	66.5	66.5	66.5	66.7	66.7	66.7	66.8	66.8	66.8	66.9
>=4500	61.7	66.6	67.5	68.0	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.8	68.9
>=4000	63.6	68.6	69.7	70.2	70.6	70.6	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.1	71.2
>=3500	64.3	69.8	71.0	71.6	72.0	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.5	72.6
>=3000	66.1	71.9	73.1	73.7	74.2	74.2	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.8	74.9
>=2500	67.4	73.3	74.7	75.3	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.5	76.5
>=2000	68.0	74.5	75.9	76.6	77.2	77.2	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.8	77.9
>=1800	68.6	75.3	76.7	77.4	78.0	78.0	78.3	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.6	78.7
>=1500	69.3	76.5	77.9	78.8	79.4	79.4	79.7	79.8	79.8	80.0	80.0	80.0	80.1	80.1	80.2	80.2
>=1200	69.8	77.5	79.0	80.1	80.8	80.8	81.1	81.2	81.3	81.4	81.4	81.4	81.5	81.5	81.6	81.7
>=1000	70.4	79.0	80.5	81.8	82.6	82.6	83.2	83.6	83.7	83.8	83.8	83.8	83.9	83.9	84.0	84.1
>=900	70.5	79.5	81.3	83.1	84.2	84.2	84.9	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.8	85.9
>=800	70.7	80.1	82.3	84.3	85.7	85.8	86.5	87.0	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.6
>=700	71.0	80.8	83.2	85.4	86.9	87.2	88.0	88.6	88.7	88.9	89.0	89.0	89.1	89.1	89.2	89.3
>=600	71.1	81.3	84.1	86.5	88.5	88.8	89.6	90.5	90.8	91.0	91.2	91.2	91.2	91.2	91.3	91.4
>=500	71.1	81.5	84.6	87.5	89.7	90.1	91.3	92.4	92.7	93.0	93.4	93.4	93.5	93.5	93.6	93.6
>=400	71.1	81.5	84.6	87.9	90.6	91.2	92.5	93.8	94.2	94.6	95.1	95.1	95.3	95.3	95.4	95.4
>=300	71.1	81.5	84.6	88.2	91.1	91.8	93.4	94.8	95.3	95.9	96.4	96.4	96.6	96.6	96.8	96.9
>=200	71.1	81.5	84.6	88.2	91.2	91.9	93.6	95.2	95.6	96.7	97.3	97.5	97.8	97.8	97.9	98.1
>=100	71.1	81.5	84.6	88.2	91.2	91.9	93.6	95.3	95.7	97.1	97.8	98.0	98.4	98.5	99.1	99.5
>=0	71.1	81.5	84.6	88.2	91.2	91.9	93.6	95.3	95.7	97.1	97.8	98.0	98.4	98.5	99.3	100.0

TOTAL NO. OF OBS : 1164

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	46.2	49.0	49.6	49.8	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.4	50.4
>=20000	49.2	52.2	53.0	53.1	53.4	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7
>=18000	49.2	52.2	53.0	53.1	53.4	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7
>=16000	49.2	52.2	53.0	53.1	53.4	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7
>=14000	50.0	53.2	54.0	54.2	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.8	54.8
>=12000	50.4	53.8	54.6	54.8	55.0	55.0	55.1	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.5	55.5
>=10000	52.6	56.1	56.9	57.1	57.3	57.3	57.4	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.8	57.8
>=9000	54.3	57.9	58.8	59.0	59.2	59.2	59.3	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.7	59.7
>=8000	55.7	59.6	60.7	60.9	61.2	61.2	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6
>=7000	56.7	60.8	61.9	62.1	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8
>=6000	57.6	61.9	63.1	63.3	63.6	63.6	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	64.0	64.0
>=5000	59.0	63.6	64.8	65.2	65.4	65.4	65.5	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8
>=4500	60.1	65.2	66.4	66.9	67.1	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.6	67.6
>=4000	62.1	67.6	69.0	69.5	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.2	70.2
>=3500	63.3	69.0	70.6	71.2	71.4	71.4	71.5	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8
>=3000	65.1	71.2	72.9	73.6	73.9	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
>=2500	66.2	72.6	74.2	75.0	75.3	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.8	75.8
>=2000	67.1	74.4	76.1	77.0	77.5	77.5	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0
>=1800	67.8	75.8	77.7	78.7	79.2	79.3	79.5	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9
>=1500	68.3	76.8	78.8	80.0	80.8	80.9	81.1	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.6
>=1200	68.8	77.9	79.9	81.5	82.4	82.7	82.9	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.5	83.5
>=900	68.9	78.5	80.7	82.2	83.5	83.8	84.0	84.5	84.5	84.5	84.7	84.7	84.8	84.8	84.9	84.9
>=800	69.1	79.3	81.5	83.2	84.7	85.2	85.6	86.0	86.1	86.2	86.4	86.4	86.4	86.4	86.5	86.5
>=700	69.4	80.3	82.6	84.7	86.5	87.0	87.6	88.1	88.2	88.4	88.7	88.7	88.8	88.8	88.8	88.8
>=600	69.4	80.7	83.3	85.8	88.1	88.7	89.6	90.1	90.2	90.5	90.7	90.7	90.8	90.8	90.9	90.9
>=500	69.4	80.9	83.7	86.6	89.6	90.3	91.5	92.1	92.2	92.5	92.8	92.8	93.1	93.1	93.2	93.2
>=400	69.4	81.1	83.9	87.2	90.6	91.3	93.1	93.8	94.1	94.8	95.0	95.0	95.4	95.4	95.5	95.5
>=300	69.4	81.2	84.0	87.5	91.1	92.1	94.3	95.3	95.3	96.4	96.7	96.7	97.1	97.2	97.3	97.3
>=200	69.4	81.2	84.0	87.5	91.1	92.1	94.6	95.8	96.1	97.5	97.9	98.0	98.5	98.5	98.6	98.7
>=100	69.4	81.2	84.0	87.5	91.1	92.1	94.7	95.9	96.1	97.7	98.1	98.2	98.7	99.0	99.4	99.6
>= 0	69.4	81.2	84.0	87.5	91.1	92.1	94.7	95.9	96.1	97.7	98.1	98.2	98.8	99.1	99.5	100.0

TOTAL NO. OF OBS : 1165

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	1/4	>=1/2	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	39.7	44.3	45.4	46.5	46.9	46.9	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
>=20000	43.2	48.3	49.7	50.8	51.3	51.4	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
>=18000	43.2	48.4	49.7	50.9	51.4	51.5	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
>=16000	43.3	48.4	49.8	50.9	51.5	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
>=14000	43.8	49.2	50.6	51.7	52.2	52.3	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
>=12000	45.3	51.0	52.6	53.7	54.3	54.4	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
>=10000	47.2	53.4	55.0	56.2	56.8	56.9	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
>= 9000	48.3	54.7	56.2	57.5	58.1	58.2	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>= 8000	49.2	56.3	57.8	59.2	59.8	60.0	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
>= 7000	50.3	57.8	59.6	61.0	61.7	61.9	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>= 6000	51.1	59.1	60.8	62.3	63.0	63.2	63.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
>= 5000	51.8	60.6	62.3	64.0	64.7	64.9	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
>= 4500	52.8	61.9	63.8	65.4	66.2	66.4	66.8	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 4000	54.1	63.7	65.7	67.5	68.3	68.4	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
>= 3500	55.4	65.7	67.7	69.7	70.5	70.9	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
>= 3000	56.3	66.9	69.0	70.9	71.9	72.2	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>= 2500	57.5	68.6	70.8	72.8	73.9	74.2	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
>= 2000	58.4	69.9	72.2	74.2	75.5	75.9	76.3	76.6	76.6	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
>= 1800	58.7	70.6	72.9	75.0	76.3	76.6	77.2	77.5	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>= 1500	59.5	71.7	74.3	76.4	77.8	78.2	78.9	79.3	79.3	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
>= 1200	59.8	72.7	75.3	77.6	79.1	79.5	80.3	80.7	80.8	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3
>= 1000	60.3	73.4	76.2	78.6	80.3	80.7	81.6	82.2	82.2	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
>= 900	60.5	74.2	77.1	79.5	81.4	81.8	82.9	83.4	83.5	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4
>= 800	60.7	74.9	78.0	80.6	82.7	83.1	84.4	84.9	85.0	85.4	85.7	85.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9
>= 700	60.9	75.4	78.5	81.4	83.9	84.4	85.8	86.3	86.4	86.9	87.2	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4
>= 600	60.9	75.6	78.8	81.9	84.8	85.7	87.5	88.2	88.3	88.9	89.3	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.5
>= 500	60.9	75.7	79.0	82.2	85.5	86.5	88.5	89.7	89.8	90.6	91.0	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3
>= 400	60.9	75.7	79.0	82.5	86.0	87.0	89.4	91.1	91.4	92.9	93.4	93.4	93.4	93.7	93.8	94.0	94.0	94.1	94.1
>= 300	60.9	75.7	79.0	82.6	86.2	87.2	89.7	91.9	92.3	94.4	95.4	95.4	95.4	95.9	96.2	96.5	96.5	96.6	96.6
>= 200	60.9	75.7	79.0	82.7	86.3	87.3	89.8	92.2	92.7	95.1	96.2	96.2	96.2	97.2	97.6	98.0	98.0	98.2	98.2
>= 100	60.9	75.7	79.0	82.7	86.3	87.3	89.8	92.2	92.7	95.1	96.2	96.2	96.2	97.8	98.1	99.1	99.3	99.3	99.3
>= 0	60.9	75.7	79.0	82.7	86.3	87.3	89.8	92.2	92.7	95.1	96.2	96.2	96.2	97.8	98.1	99.3	100.0	100.0	100.0

TOTAL NO. OF OBS : 1160

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)															
		>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	43.7	48.5	48.9	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
>=20000	46.6	52.0	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
>=18000	46.7	52.1	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
>=16000	46.7	52.1	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
>=14000	46.9	52.5	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
>=12000	47.9	53.7	54.6	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
>=10000	49.7	56.2	57.2	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
>= 9000	50.5	57.4	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>= 8000	51.6	58.8	59.9	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
>= 7000	52.5	59.7	60.8	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
>= 6000	52.9	60.4	61.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>= 5000	54.6	62.7	64.0	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
>= 4500	55.3	63.6	64.8	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
>= 4000	57.7	66.1	67.6	68.4	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
>= 3500	59.3	67.8	69.3	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
>= 3000	61.6	70.8	72.2	73.1	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>= 2500	63.1	72.6	74.0	74.9	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>= 2000	64.0	74.0	75.5	76.5	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
>= 1800	64.6	74.6	76.1	77.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
>= 1500	65.5	76.2	77.9	79.2	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>= 1200	66.1	77.5	79.6	81.2	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
>= 1000	66.7	78.7	81.1	83.1	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
>= 900	66.7	79.2	82.1	84.3	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
>= 800	66.7	79.5	82.6	85.1	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
>= 700	66.8	79.8	83.1	85.9	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
>= 600	66.8	80.3	83.8	86.8	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
>= 500	66.9	80.4	84.0	87.2	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
>= 400	66.9	80.4	84.0	87.2	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
>= 300	66.9	80.4	84.0	87.2	89.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
>= 200	66.9	80.4	84.0	87.2	89.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
>= 100	66.9	80.4	84.0	87.2	89.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
>= 0	66.9	80.4	84.0	87.2	89.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6

TOTAL NO. OF OBS : 1166

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.9	46.5	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
>=20000	45.9	49.7	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
>=18000	46.0	49.7	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
>=16000	46.0	49.8	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
>=14000	46.6	50.5	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
>=12000	47.4	51.6	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
>=10000	49.6	54.1	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
>=8000	50.4	55.2	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=7000	51.1	56.3	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
>=6000	52.2	57.3	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
>=5000	52.7	57.8	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
>=4500	55.2	60.6	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
>=4000	57.3	63.0	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
>=3500	60.4	66.3	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
>=3000	63.7	70.0	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
>=2500	66.5	73.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
>=2000	68.8	75.8	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
>=1800	70.5	78.1	79.2	79.6	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>=1600	71.0	78.8	80.0	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
>=1500	71.5	79.9	81.3	81.9	82.2	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
>=1200	72.2	81.8	83.5	84.3	84.7	84.9	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
>=1000	72.4	82.6	84.4	85.5	86.1	86.5	86.8	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1
>=900	72.4	83.0	84.9	86.2	87.2	87.5	88.0	88.0	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5
>=800	72.4	83.9	86.0	87.4	88.7	89.2	89.8	89.9	89.9	90.4	90.6	90.6	90.6	90.6	90.6	90.6
>=700	72.5	84.0	86.5	88.5	90.0	90.7	91.7	91.9	91.9	92.6	92.8	92.8	92.8	92.8	92.8	92.8
>=600	72.5	84.1	86.7	89.0	90.8	91.5	92.6	93.1	93.1	94.0	94.1	94.1	94.1	94.1	94.1	94.1
>=500	72.5	84.3	87.0	89.3	91.3	92.1	93.3	94.1	94.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6
>=400	72.5	84.3	87.0	89.4	91.4	92.2	93.5	94.8	94.8	96.2	96.6	96.6	97.1	97.2	97.2	97.2
>=300	72.5	84.3	87.0	89.4	91.4	92.2	93.7	95.2	95.2	96.9	97.3	97.3	97.9	98.1	98.3	98.3
>=200	72.5	84.3	87.0	89.4	91.4	92.2	93.7	95.2	95.3	97.2	97.6	97.6	98.9	99.1	99.3	99.3
>=100	72.5	84.3	87.0	89.4	91.4	92.2	93.7	95.2	95.3	97.2	97.7	97.7	99.1	99.3	99.7	99.9
>=0	72.5	84.3	87.0	89.4	91.4	92.2	93.7	95.2	95.3	97.2	97.7	97.7	99.1	99.4	99.8	100.0

TOTAL NO. OF OBS : 1162

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2 >=2	>=1	1/2 >=1	1/4 >=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.4	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
>=20000	48.5	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
>=16000	48.5	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
>=16000	48.5	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
>=14000	49.4	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
>=12000	50.6	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=10000	52.7	56.9	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
>= 9000	53.3	57.8	58.8	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>= 8000	54.2	59.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
>= 7000	55.0	60.1	61.1	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
>= 6000	56.2	61.3	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
>= 5000	58.6	64.1	65.4	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
>= 4500	60.1	65.8	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
>= 4000	62.7	69.2	70.5	70.7	70.7	70.7	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>= 3500	65.1	72.0	73.4	73.6	73.6	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>= 3000	66.8	74.0	75.8	76.1	76.1	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
>= 2500	68.3	75.8	77.6	78.0	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
>= 2000	69.7	77.8	79.6	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>= 1800	70.4	78.7	80.5	81.5	81.7	81.7	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
>= 1500	71.3	80.3	82.2	83.4	83.6	83.7	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
>= 1200	71.5	81.1	83.1	84.9	85.2	85.4	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
>= 1000	72.0	81.9	84.1	86.0	86.5	86.9	87.4	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
>= 900	72.1	82.5	85.0	86.8	87.6	88.0	88.6	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>= 800	72.2	82.9	85.6	87.6	88.6	89.0	89.5	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
>= 700	72.2	83.2	86.2	88.7	89.9	90.5	91.1	92.0	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4
>= 600	72.2	83.2	86.2	88.7	90.0	90.6	91.5	92.4	92.5	93.0	93.2	93.3	93.5	93.5	93.5	93.5
>= 500	72.2	83.2	86.2	88.7	90.5	91.2	92.3	93.3	93.4	94.2	94.5	94.6	94.9	95.0	95.0	95.0
>= 400	72.2	83.3	86.2	88.8	90.6	91.4	92.6	94.1	94.2	95.6	96.0	96.1	96.6	96.7	96.7	96.7
>= 300	72.2	83.3	86.2	88.8	90.6	91.4	92.9	94.3	94.5	96.3	97.0	97.1	97.9	98.1	98.2	98.2
>= 200	72.2	83.3	86.2	88.8	90.6	91.5	92.9	94.4	94.6	96.8	97.6	97.7	98.6	98.9	99.1	99.1
>= 100	72.2	83.3	86.2	88.8	90.6	91.5	92.9	94.4	94.6	96.9	97.7	97.8	98.7	99.0	99.4	99.7
>= 0	72.2	83.3	86.2	88.8	90.6	91.5	92.9	94.4	94.6	96.9	97.7	97.8	98.7	99.0	99.4	100.0

TOTAL NO. OF OBS : 1163

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAR
HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	47.0	49.6	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
>=20000	50.4	53.6	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
>=18000	50.4	53.6	54.0	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
>=16000	50.8	54.0	54.3	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
>=14000	51.4	54.6	54.9	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
>=12000	52.8	56.2	56.6	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
>=10000	54.6	58.5	58.8	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
>=9000	55.4	59.6	59.9	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
>=8000	56.8	61.2	61.6	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>=7000	57.9	62.8	63.1	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
>=6000	59.0	63.9	64.2	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
>=5000	61.0	66.2	66.6	67.3	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
>=4000	62.3	67.8	68.1	68.9	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
>=3500	64.7	71.1	71.6	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
>=3000	66.2	73.3	74.1	75.1	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>=2500	67.7	75.5	76.3	77.3	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
>=2000	69.1	77.3	78.1	79.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
>=1800	69.6	78.0	78.8	80.0	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>=1500	70.3	79.4	80.3	82.0	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
>=1200	70.7	80.4	81.5	83.4	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
>=1000	71.0	81.3	82.6	84.6	85.6	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
>=900	71.1	81.5	83.2	85.2	86.2	86.4	86.9	87.0	87.0	87.0	87.1	87.2	87.2	87.2	87.2
>=800	71.2	82.0	83.9	86.3	87.5	87.9	88.3	88.4	88.4	88.5	88.6	88.7	88.7	88.7	88.7
>=700	71.3	82.6	84.6	87.5	88.9	89.4	90.3	90.4	90.4	90.7	90.8	90.8	90.8	90.8	90.8
>=600	71.3	82.6	84.7	88.3	90.2	90.8	92.2	92.4	92.5	92.8	92.9	93.0	93.0	93.1	93.1
>=500	71.3	82.6	85.1	88.7	90.9	91.8	93.4	93.7	93.8	94.2	94.5	94.6	94.6	94.7	94.7
>=400	71.3	82.6	85.1	88.8	91.3	92.1	94.3	95.0	95.1	95.9	96.4	96.5	96.5	96.7	96.7
>=300	71.3	82.6	85.1	88.8	91.5	92.3	95.2	96.3	96.4	97.5	97.9	98.0	98.5	98.6	98.6
>=200	71.3	82.6	85.1	88.8	91.5	92.3	95.2	96.3	96.4	97.7	98.2	98.3	98.7	98.9	99.0
>=100	71.3	82.6	85.1	88.8	91.5	92.3	95.2	96.3	96.4	97.7	98.2	98.3	98.9	99.1	99.5
>=0	71.3	82.6	85.1	88.8	91.5	92.3	95.2	96.3	96.4	97.7	98.2	98.3	99.0	99.3	100.0

TOTAL NO. OF OBS : 1158

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	47.3	49.7	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6
>=20000	50.0	52.8	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.7
>=18000	50.0	52.8	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.7
>=16000	50.1	52.9	53.3	53.5	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7
>=14000	51.1	53.8	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.7
>=12000	52.3	55.2	55.6	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.1
>=10000	54.3	57.9	58.3	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8
>= 9000	55.6	59.1	59.6	59.9	60.0	60.0	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3
>= 8000	56.8	60.6	61.2	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
>= 7000	58.7	63.0	63.6	64.0	64.1	64.1	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
>= 6000	59.9	64.6	65.1	65.6	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0
>= 5000	61.8	67.0	67.5	68.0	68.1	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.4
>= 4500	63.4	68.8	69.3	69.9	70.0	70.0	70.0	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.5
>= 4000	64.8	70.2	70.8	71.4	71.5	71.5	71.5	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.9
>= 3500	66.0	71.7	72.3	72.9	73.2	73.2	73.2	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6
>= 3000	66.8	72.8	73.5	74.2	74.7	74.7	74.7	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.1
>= 2500	67.7	73.9	74.8	75.5	76.1	76.1	76.1	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.5
>= 2000	69.4	76.6	77.5	78.6	79.1	79.1	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.5
>= 1800	69.7	76.9	77.9	78.9	79.4	79.4	79.4	79.5	79.5	79.7	79.7	79.8	79.8	79.8	79.9
>= 1500	70.9	78.6	79.6	80.9	81.5	81.6	81.6	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.1
>= 1200	71.4	79.6	80.8	82.3	83.4	83.4	83.4	83.6	83.8	84.0	84.1	84.1	84.1	84.1	84.2
>= 1000	71.7	81.0	82.5	84.1	85.1	85.1	85.1	85.4	85.7	85.9	86.0	86.1	86.1	86.1	86.2
>= 900	72.0	81.7	83.5	85.2	86.6	86.8	87.2	87.3	87.3	87.5	87.6	87.6	87.6	87.6	87.7
>= 800	72.1	82.2	84.2	86.1	87.7	88.1	88.5	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.1
>= 700	72.1	82.5	84.7	87.1	89.0	89.5	89.9	90.3	90.3	90.5	90.6	90.6	90.6	90.6	90.7
>= 600	72.1	82.9	85.4	88.0	90.1	90.6	91.3	91.8	91.8	92.1	92.2	92.2	92.2	92.2	92.2
>= 500	72.1	83.0	85.6	89.0	91.3	91.9	92.6	93.1	93.1	93.6	93.9	94.0	94.0	94.0	94.1
>= 400	72.1	83.0	85.9	89.5	92.3	92.9	93.8	94.6	94.6	95.5	95.8	96.0	96.0	96.0	96.0
>= 300	72.1	83.1	86.0	89.8	92.9	93.5	94.7	95.5	95.6	96.7	97.2	97.5	97.5	97.5	97.6
>= 200	72.1	83.1	86.0	89.8	93.0	93.7	94.8	96.0	96.1	97.3	98.1	98.8	98.8	99.0	99.1
>= 100	72.1	83.1	86.0	89.8	93.0	93.7	94.8	96.0	96.1	97.3	98.3	99.0	99.0	99.4	99.6
>= 0	72.1	83.1	86.0	89.8	93.0	93.7	94.8	96.0	96.1	97.3	98.3	99.0	99.0	99.6	100.0

TOTAL NO. OF OBS : 1161

2 - CEILING - VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.5	47.8	48.3	48.6	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	49.0
>=20000	47.7	51.3	52.0	52.3	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
>=18000	47.7	51.4	52.0	52.3	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7
>=16000	47.8	51.5	52.1	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8
>=14000	48.5	52.3	52.9	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6
>=12000	49.6	53.7	54.4	54.7	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
>=10000	51.7	56.2	56.9	57.4	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
>= 9000	52.8	57.4	58.2	58.7	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>= 8000	53.9	58.9	59.7	60.2	60.4	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
>= 7000	55.1	60.4	61.2	61.8	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3
>= 6000	55.9	61.4	62.3	62.9	63.1	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>= 5000	57.7	63.7	64.7	65.3	65.5	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
>= 4500	59.1	65.3	66.4	67.0	67.2	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6
>= 4000	61.1	67.7	68.8	69.5	69.8	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
>= 3500	62.7	69.6	70.8	71.6	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3
>= 3000	64.4	71.8	73.1	73.9	74.3	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
>= 2500	65.8	73.5	74.9	75.8	76.1	76.3	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
>= 2000	67.0	75.2	76.7	77.7	78.2	78.3	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.8
>= 1800	67.5	75.9	77.4	78.4	79.0	79.1	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
>= 1500	68.3	77.3	78.9	80.2	80.8	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5
>= 1200	68.7	78.4	80.2	81.7	82.5	82.7	82.9	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4
>= 1000	69.1	79.5	81.4	83.1	84.1	84.3	84.7	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.4	85.4
>= 900	69.3	80.0	82.2	84.1	85.2	85.5	86.0	86.3	86.4	86.6	86.7	86.7	86.7	86.7	86.8	86.8
>= 800	69.4	80.6	83.0	85.1	86.4	86.8	87.4	87.8	87.9	88.1	88.2	88.2	88.3	88.3	88.3	88.3
>= 700	69.5	81.1	83.7	86.1	87.8	88.3	89.1	89.6	89.6	90.0	90.2	90.2	90.2	90.3	90.3	90.3
>= 600	69.5	81.3	84.1	86.9	88.8	89.5	90.5	91.2	91.3	91.8	92.0	92.0	92.1	92.1	92.1	92.2
>= 500	69.6	81.5	84.4	87.4	89.7	90.5	91.8	92.7	92.8	93.5	93.8	93.8	94.0	94.1	94.1	94.1
>= 400	69.6	81.5	84.5	87.7	90.2	91.1	92.7	93.9	94.1	95.2	95.6	95.6	95.9	96.0	96.1	96.1
>= 300	69.6	81.5	84.5	87.8	90.5	91.4	93.3	94.8	95.0	96.4	96.9	97.0	97.4	97.5	97.6	97.7
>= 200	69.6	81.5	84.5	87.8	90.5	91.5	93.4	95.0	95.2	97.0	97.6	97.7	98.4	98.5	98.8	98.8
>= 100	69.6	81.5	84.5	87.8	90.5	91.5	93.4	95.1	95.3	97.0	97.8	97.8	98.7	98.9	99.4	99.6
>= 0	69.6	81.5	84.5	87.8	90.5	91.5	93.4	95.1	95.3	97.0	97.8	97.8	98.7	98.9	99.5	100.0

TOTAL NO. OF OBS : 9299

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	1	2	3	4	5		
N	.1	1.9	2.9	3.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	9.8
NNE	.5	.8	2.1	1.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	9.8
NE	.1	1.1	2.6	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	9.1
ENE	.3	.3	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.1
E	.3	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.5
ESE	.1	1.0	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.7
SE	.2	1.1	.9	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.0
SSE	.4	1.6	1.8	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.7
S	1.6	2.7	3.1	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	7.2
SSW	.4	2.0	1.1	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	9.2
SW	1.1	2.4	1.9	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	7.9
WSW	.5	2.5	2.5	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	8.0
W	.5	3.9	4.4	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	8.0
WNW	.2	1.9	3.8	2.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	9.2
NW	.4	2.5	4.3	3.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	9.1
NNW	.0	1.8	3.3	1.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	9.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0
ALL	6.6	27.5	36.4	20.4	3.3	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.2

TOTAL NO. OF OBS : 1140

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	2	1	1	1	1	1	1
N	.3	1.9	2.6	3.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	9.7
NNE	.0	1.2	2.6	1.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	9.8
NE	.4	1.3	1.9	1.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	9.2
ENE	.2	.7	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.6
E	.2	.4	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.3
ESE	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
SE	.4	.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.1
SSE	.5	1.3	1.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.5
S	.8	3.0	2.7	.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	7.6
SSW	.3	1.8	1.6	1.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	8.9
SW	.9	2.7	2.5	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	7.7
WSW	.3	1.9	2.5	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	8.1
W	.4	3.4	4.7	1.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	8.1
WNW	.6	1.9	3.2	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	8.4
NW	.4	2.5	4.6	2.8	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0	9.4
NNW	.2	1.7	2.4	2.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0
ALL	6.1	26.7	35.1	20.8	3.2	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.0

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	%	%	%	%	%	%
N	.3	1.7	4.3	4.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	10.4
NNE	.1	1.0	1.8	3.2	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	11.7
NE	.2	.8	2.3	3.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	10.6
ENE	.0	1.0	1.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.5
E	.1	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.2
ESE	.1	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.9
SE	.0	1.0	1.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	8.5
SSE	.1	.8	1.2	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.8
S	.7	1.8	2.5	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	8.3
SSW	.5	.6	1.9	1.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	10.2
SW	.4	1.8	1.5	1.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	9.5
WSW	.4	1.4	1.6	2.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	10.0
W	.8	2.1	3.5	2.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	8.8
WNW	.3	1.5	3.2	3.2	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	10.4
NW	.5	1.7	3.0	4.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	10.4
NNW	.2	1.0	2.8	2.4	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	11.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	.0
ALL	4.6	19.3	33.1	32.6	5.0	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9.5

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	-	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL					MEAN
DIR.											22-27	28-33	34-40	41-47	48-55	>56			WIND		
N	.3		.9		2.9		5.4	.7	.3	.0	.0	.0	.0	.0	.0	.0	10.4	11.6			
NNE	.2		.6		2.6		4.8	1.1	.2	.0	.1	.0	.0	.0	.0	.0	9.6	12.4			
NE	.3		1.0		2.5		2.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	6.7	10.6			
ENE	.0		.4		1.4		1.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.6	11.2			
E	.2		.6		1.1		.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8	9.1			
ESE	.0		1.3		.4		.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.2			
SE	.3		1.7		2.9		1.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	6.7	9.3			
SSE	.2		.4		2.5		3.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	7.1	11.1			
S	.5		.9		1.7		2.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	6.1	10.5			
SSW	.1		.3		.4		1.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	3.2	13.4			
SW	.2		.3		.8		2.2	1.0	.2	.1	.0	.0	.0	.0	.0	.0	4.6	13.8			
WSW	.3		.3		1.5		3.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	6.1	12.7			
W	.1		.4		1.5		2.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	5.7	12.1			
WNW	.2		.2		1.4		5.6	1.7	.4	.1	.0	.0	.0	.0	.0	.0	9.6	14.1			
NW	.0		.7		1.5		4.4	.9	.2	.0	.0	.0	.0	.0	.0	.0	7.6	12.7			
NNW	.0		.6		1.2		4.3	1.0	.4	.0	.0	.0	.0	.0	.0	.0	7.5	13.4			
VAR	.0		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0		.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0			
ALL	2.6	10.5	26.5	46.5	10.4	2.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	11.8			

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL %		MEAN WIND SPEED		
16 PT.	1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%						
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				1	1
N	.0	.0	.6	2.1	3.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	6.9				11.8	
NNE	.0	.0	.5	1.3	3.4	.6	.2	.1	.0	.0	.0	.0	.0	.0	6.1				13.1	
NE	.1	.4	1.5	3.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.6				12.2	
ENE	.0	.0	.1	1.2	1.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.3				12.3	
E	.0	.0	.8	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1				8.2	
ESE	.1	.4	.4	1.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.4				9.6	
SE	.3	.5	.5	2.0	4.3	1.0	.4	.0	.0	.0	.0	.0	.0	.0	8.4				12.3	
SSE	.0	.7	.7	2.2	6.7	2.5	.0	.0	.0	.0	.0	.0	.0	.0	12.0				13.2	
S	.2	.4	.4	2.4	4.5	.9	.3	.0	.0	.0	.0	.0	.0	.0	8.5				12.6	
SSW	.0	.0	.1	.6	2.4	1.0	.2	.0	.0	.0	.0	.0	.0	.0	4.2				14.6	
SW	.2	.2	.2	.3	2.2	1.6	.1	.1	.0	.0	.0	.0	.0	.0	4.6				14.9	
WSW	.0	.0	.0	1.1	2.5	.6	.6	.2	.0	.0	.0	.0	.0	.0	4.9				14.9	
W	.0	.0	.0	1.0	3.2	1.5	.1	.0	.0	.0	.0	.0	.0	.0	5.7				14.2	
WNW	.2	.1	.1	1.2	5.4	2.2	.5	.1	.0	.0	.0	.0	.0	.0	9.6				14.7	
NW	.1	.6	.6	1.1	4.2	1.8	.7	.0	.0	.0	.0	.0	.0	.0	8.6				14.3	
NNW	.0	.0	.5	1.3	3.5	1.0	.4	.0	.0	.0	.0	.0	.0	.0	6.7				13.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3				.0	
ALL	1.1	6.0	21.1	51.5	16.1	3.7	.4	.0	.0	.0	.0	.0	.0	.0	100.0	13.2				

TOTAL NO. OF OBS : 1140

NOTES : * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)														TOTAL	MEAN
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND
DIR.															SPEED
N	.1	.2			1.8	2.5	.7	.1	.0	.0	.0	.0	.0	5.4	12.2
NNE	.0	.0			1.1	3.4	.8	.0	.1	.0	.0	.0	.0	5.4	13.4
NE	.0	.5			1.4	3.8	.3	.1	.0	.0	.0	.0	.0	6.1	12.0
ENE	.1	.2			.3	1.7	.0	.0	.0	.0	.0	.0	.0	2.2	11.3
E	.1	.4			.4	1.1	.1	.0	.0	.0	.0	.0	.0	2.1	10.2
ESE	.0	.3			1.1	.4	.0	.0	.0	.0	.0	.0	.0	1.8	9.1
SE	.1	.5			1.8	3.4	.7	.0	.1	.0	.0	.0	.0	6.7	12.1
SSE	.0	.5			3.8	8.9	1.1	.2	.0	.0	.0	.0	.0	14.6	12.5
S	.1	.6			1.4	6.8	1.2	.2	.0	.0	.0	.0	.0	10.4	13.2
SSW	.0	.2			.7	3.4	1.1	.6	.0	.0	.0	.0	.0	6.0	14.9
SW	.1	.2			.4	3.3	1.8	.4	.0	.0	.0	.0	.0	6.1	15.0
WSW	.0	.2			.4	2.0	.4	.4	.0	.0	.0	.0	.0	3.4	14.6
W	.0	.2			1.0	1.8	.9	.1	.0	.0	.0	.0	.0	3.9	13.4
WNW	.0	.2			1.0	6.0	2.7	1.2	.1	.0	.0	.0	.0	11.1	15.5
NW	.0	.1			1.7	5.2	1.6	.3	.1	.0	.0	.0	.0	8.9	13.8
NNW	.0	.4			.9	2.9	1.5	.3	.0	.0	.0	.0	.0	5.9	14.1
VAR	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
ALL	.5	4.6			19.2	56.7	14.8	3.8	.4	.0	.0	.0	.0	100.0	13.3

TOTAL NO. OF OBS : 1140

NOTES : * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND			
																			SPEED		
N		.0			.7			2.3	1.7	.4	.0	.0	.0	.0	.0	.0	5.0		10.5		
NNE		.0			.4			1.9	2.3	.5	.0	.0	.0	.0	.0	.0	5.1		11.6		
NE		.1			.2			2.2	1.9	.4	.0	.0	.0	.0	.0	.0	4.8		10.9		
ENE		.1			.4			1.6	1.2	.1	.0	.0	.0	.0	.0	.0	3.3		5.4		
E		.0			.8			1.1	.4	.0	.0	.0	.0	.0	.0	.0	2.4		8.3		
ESE		.0			.9			1.1	.8	.1	.0	.0	.0	.0	.0	.0	2.9		8.9		
SE		.1			.9			3.0	.4	.0	.0	.0	.0	.0	.0	.0	4.4		8.0		
SSE		.3			2.2			4.3	2.0	.1	.2	.0	.0	.0	.0	.0	9.0		9.0		
S		.4			1.6			7.8	3.3	.4	.2	.0	.0	.0	.0	.0	13.6		9.5		
SSW		.1			1.1			4.4	4.0	.3	.0	.0	.0	.0	.0	.0	9.8		10.1		
SW		.2			.4			2.9	3.4	.6	.2	.0	.0	.0	.0	.0	7.7		11.6		
WSW		.0			.3			1.8	1.7	.2	.2	.0	.0	.0	.0	.0	4.1		11.1		
W		.2			.4			1.8	.8	.2	.0	.0	.0	.0	.0	.0	3.3		9.5		
WNW		.2			1.1			3.5	2.9	.9	.3	.0	.0	.0	.0	.0	8.8		11.0		
NW		.1			1.7			3.5	3.6	.9	.2	.0	.0	.0	.0	.0	9.9		10.9		
NNW		.1			.4			1.9	2.3	.4	.1	.0	.0	.0	.0	.0	5.2		11.6		
VAR		.0			.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
CLM		.0			.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.6		.0		
ALL		1.7			13.2			45.2	32.8	5.4	1.2	.0	.0	.0	.0	.0	100.0		10.2		

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 2200 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.6	2.5	1.5	.4	.1	.0	.0	.0	.0	6.4	5.1
NNE	.4	1.0	1.6	2.7	.2	.0	.0	.0	.0	.0	5.8	10.3
NE	.3	1.0	1.8	.7	.3	.0	.0	.0	.0	.0	4.0	8.9
ENE	.3	.8	1.1	.6	.0	.0	.0	.0	.0	.0	2.7	8.1
E	.2	.8	.8	.3	.0	.0	.0	.0	.0	.0	2.0	7.3
ESE	.1	.9	.4	.4	.0	.0	.0	.0	.0	.0	1.7	7.6
SE	.0	1.3	1.6	.4	.0	.0	.0	.0	.0	.0	3.3	7.6
SSE	.5	1.9	2.6	.5	.1	.0	.0	.0	.0	.0	5.7	7.2
S	1.1	2.9	4.1	1.8	.2	.1	.0	.0	.0	.0	10.3	7.9
SSW	.3	2.4	2.1	1.7	.1	.0	.0	.0	.0	.0	6.5	8.4
SW	.4	2.2	2.8	2.0	.4	.2	.0	.0	.0	.0	7.9	9.3
WSW	.4	1.8	2.8	1.4	.3	.1	.0	.0	.0	.0	6.8	8.8
W	.4	2.8	3.5	1.8	.4	.0	.1	.0	.0	.0	8.9	8.6
WNW	.2	1.4	3.3	3.9	.3	.0	.1	.0	.0	.0	9.1	10.3
NW	.2	1.2	4.0	2.4	.4	.2	.0	.0	.0	.0	8.4	10.2
NNW	.3	1.5	3.2	1.3	.2	.1	.0	.0	.0	.0	6.5	9.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0
ALL	5.2	25.4	38.2	23.3	3.1	.7	.2	.0	.0	.0	100.0	8.5

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.	1 - 3	4 - 6	7-10	11-16	SPEED (KNOTS)										TOTAL	MEAN	
					17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED			
DIR.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N	.2	1.2	2.7	3.2	.5	.1	.0	.0	.0	.0	.0	.0	7.8	10.6			
NNE	.1	.7	1.9	2.9	.6	.1	.0*	.0*	.0	.0	.0	.0	6.3	11.6			
NE	.2	.8	2.0	2.1	.3	.1	.0	.0	.0	.0	.0	.0	5.5	10.5			
ENE	.1	.5	1.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	2.7	9.8			
E	.1	.6	.7	.5	.0*	.0	.0	.0	.0	.0	.0	.0	2.0	8.6			
ESE	.1	.7	.7	.4	.0*	.0*	.0	.0	.0	.0	.0	.0	1.9	8.1			
SE	.2	.9	1.8	1.4	.2	.1	.0*	.0	.0	.0	.0	.0	4.6	9.8			
SSE	.3	1.2	2.5	2.9	.6	.1	.0	.0	.0	.0	.0	.0	7.5	10.6			
S	.7	1.7	3.2	2.8	.4	.1	.0*	.0	.0	.0	.0	.0	9.0	9.7			
SSW	.2	1.1	1.6	2.1	.5	.2	.0*	.0	.0	.0	.0	.0	5.6	10.9			
SW	.4	1.3	1.6	2.2	.8	.2	.0*	.0	.0	.0	.0	.0	6.4	10.8			
WSW	.2	1.0	1.8	1.8	.5	.2	.0*	.0	.0	.0	.0	.0	5.5	10.6			
W	.3	1.7	2.7	2.0	.6	.1	.0*	.0	.0	.0	.0	.0	7.3	9.7			
WNW	.2	1.0	2.6	3.8	1.1	.4	.1	.0	.0	.0	.0	.0	9.1	12.0			
NW	.2	1.4	3.0	3.7	.8	.3	.0*	.0	.0	.0	.0	.0	9.4	11.2			
NNW	.1	1.0	2.1	2.6	.7	.2	.0	.0	.0	.0	.0	.0	6.7	11.4			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0			
ALL	3.5	16.6	31.8	35.6	7.7	1.9	.2	.0*	.0	.0	.0	.0	100.0	10.3			

TOTAL NO. OF OBS : 9120

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	45.1	48.7	49.4	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	50.0
>=20000	47.1	50.9	51.7	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4
>=18000	47.2	51.0	51.8	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5
>=16000	47.2	51.0	51.8	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5
>=14000	47.8	51.6	52.4	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1
>=12000	49.4	53.2	54.0	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7
>=10000	51.9	55.8	56.6	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.4	57.4	57.4
>= 9000	53.5	57.7	58.5	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.3	59.3	59.3
>= 8000	55.4	59.6	60.5	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.4	61.4	61.4
>= 7000	57.4	61.7	62.6	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.6	63.6	63.6
>= 6000	58.7	63.2	64.0	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	65.0	65.0	65.0
>= 5000	61.3	66.2	67.2	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.3	68.3	68.3
>= 4500	62.5	67.9	69.0	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1
>= 4000	64.0	69.9	71.1	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
>= 3500	65.1	71.2	72.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7
>= 3000	65.7	72.3	73.7	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8
>= 2500	66.5	73.7	75.1	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2
>= 2000	67.2	74.8	76.3	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6
>= 1800	67.6	75.4	76.9	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3
>= 1500	68.2	76.7	78.4	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8
>= 1200	68.7	77.6	79.4	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3
>= 1000	69.3	79.1	81.4	82.7	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7
>= 900	69.7	80.0	82.4	84.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2
>= 800	69.8	81.4	83.8	85.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
>= 700	69.9	82.2	84.9	87.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6
>= 600	70.1	82.9	86.2	88.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6
>= 500	70.2	83.1	86.8	89.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1
>= 400	70.2	83.1	86.9	90.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
>= 300	70.2	83.2	87.0	90.6	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
>= 200	70.2	83.2	87.0	91.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
>= 100	70.2	83.2	87.0	91.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
>= 0	70.2	83.2	87.0	91.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4

TOTAL NO. OF OBS : 1132

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=C
UNLIMIT	43.6	47.5	47.8	48.5	48.7	48.8	49.1	49.1	49.1	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4
>=20000	45.9	49.9	50.3	51.0	51.2	51.3	51.6	51.6	51.6	51.7	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0
>=18000	46.0	50.0	50.4	51.2	51.4	51.5	51.8	51.8	51.8	51.9	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2
>=16000	46.1	50.0	50.5	51.3	51.5	51.6	51.9	51.9	51.9	52.0	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3
>=14000	47.0	51.0	51.5	52.3	52.4	52.5	52.9	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2
>=12000	47.8	51.9	52.4	53.1	53.3	53.4	53.8	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
>=10000	50.8	55.2	55.7	56.6	56.8	56.9	57.2	57.2	57.2	57.4	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7
>=9000	51.6	56.3	56.8	57.7	57.9	57.9	58.3	58.3	58.3	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=8000	53.7	58.7	59.3	60.2	60.4	60.5	60.9	60.9	60.9	61.0	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3
>=7000	55.5	61.0	61.6	62.5	62.7	62.8	63.2	63.2	63.2	63.4	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6
>=6000	56.6	62.2	63.0	64.0	64.2	64.3	64.7	64.7	64.7	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
>=5000	58.7	64.4	65.4	66.4	66.6	66.7	67.2	67.2	67.2	67.3	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6
>=4500	59.6	65.8	66.8	67.8	68.1	68.2	68.7	68.7	68.7	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1
>=4000	60.7	67.2	68.1	69.2	69.6	69.7	70.1	70.1	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>=3500	61.7	68.3	69.3	70.4	70.7	70.8	71.3	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
>=3000	62.4	69.6	70.5	71.6	72.0	72.1	72.6	72.6	72.6	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0
>=2500	63.2	70.6	71.7	72.9	73.4	73.5	73.9	73.9	73.9	74.1	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
>=2000	63.7	71.8	72.9	74.3	74.9	75.0	75.4	75.4	75.4	75.6	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
>=1800	63.9	72.0	73.2	74.5	75.2	75.2	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1
>=1500	64.6	73.1	74.4	75.9	76.6	76.7	77.1	77.1	77.1	77.3	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6
>=1200	65.6	74.4	75.8	77.4	78.2	78.4	78.9	78.9	78.9	79.1	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3
>=1000	66.2	75.8	77.2	79.1	80.1	80.4	80.9	80.9	80.9	81.1	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
>=900	66.7	76.9	78.6	80.8	82.1	82.3	83.0	83.0	83.0	83.1	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4
>=800	67.0	78.0	80.0	82.7	84.1	84.4	85.0	85.1	85.1	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
>=700	67.2	79.0	81.5	84.4	86.0	86.2	87.0	87.2	87.2	87.4	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
>=600	67.2	79.5	82.3	85.7	87.9	88.2	89.3	89.6	89.6	89.9	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2
>=500	67.3	79.9	83.1	87.0	89.9	90.3	91.9	92.3	92.4	92.6	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
>=400	67.3	80.0	83.3	87.4	90.6	91.2	93.2	93.6	93.9	94.2	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
>=300	67.3	80.0	83.7	88.0	91.5	92.1	94.5	95.5	95.9	96.5	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8
>=200	67.3	80.0	83.7	88.0	91.5	92.1	94.6	95.7	96.2	96.8	97.1	97.1	97.1	97.1	97.4	97.5	97.5	97.5
>=100	67.3	80.0	83.7	88.0	91.5	92.2	94.9	96.1	96.5	97.3	98.0	98.0	98.0	98.0	98.7	98.8	98.9	99.0
>=0	67.3	80.0	83.7	88.0	91.5	92.2	94.9	96.1	96.5	97.3	98.0	98.0	98.0	98.0	98.8	98.8	99.5	100.0

TOTAL NO. OF OBS : 1127

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	38.0	44.2	45.3	46.7	47.0	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.6	47.6
>=20000	40.6	47.3	48.5	49.9	50.2	50.2	50.4	50.6	50.7	50.7	50.7	50.7	50.8	50.8	50.9	50.9
>=18000	40.6	47.3	48.6	50.0	50.3	50.3	50.5	50.7	50.7	50.8	50.8	50.8	50.8	50.8	51.0	51.0
>=16000	40.6	47.3	48.6	50.0	50.3	50.3	50.5	50.7	50.7	50.8	50.8	50.8	50.8	50.8	51.0	51.0
>=14000	41.4	48.2	49.5	50.8	51.2	51.2	51.5	51.6	51.6	51.7	51.7	51.7	51.8	51.8	52.0	52.0
>=12000	42.5	49.6	51.0	52.6	53.0	53.0	53.2	53.4	53.4	53.5	53.5	53.5	53.6	53.6	53.8	53.8
>=10000	45.3	53.0	54.5	56.2	56.5	56.5	56.8	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.4	57.4
>= 9000	46.7	54.7	56.3	58.0	58.4	58.4	58.6	58.8	58.8	59.0	59.0	59.0	59.1	59.1	59.3	59.3
>= 8000	48.4	57.1	58.8	60.5	60.9	60.9	61.1	61.3	61.3	61.5	61.5	61.5	61.6	61.6	61.8	61.8
>= 7000	49.6	59.1	61.1	62.8	63.2	63.2	63.4	63.6	63.6	63.8	63.8	63.8	63.9	63.9	64.1	64.1
>= 6000	50.6	60.2	62.4	64.0	64.4	64.4	64.7	64.8	64.8	65.0	65.0	65.0	65.1	65.1	65.4	65.4
>= 5000	52.0	62.1	64.2	66.1	66.5	66.5	66.9	67.1	67.1	67.3	67.3	67.3	67.4	67.4	67.7	67.7
>= 4500	53.4	63.9	66.0	68.0	68.5	68.5	68.8	69.0	69.0	69.3	69.3	69.3	69.4	69.4	69.6	69.6
>= 4000	54.7	65.8	67.9	70.1	70.6	70.7	70.9	71.1	71.1	71.4	71.4	71.4	71.5	71.5	71.7	71.7
>= 3500	55.8	67.2	69.4	71.6	72.2	72.3	72.6	72.8	72.8	73.1	73.1	73.1	73.2	73.2	73.4	73.4
>= 3000	56.9	68.6	70.9	73.1	73.7	74.0	74.3	74.6	74.6	74.8	74.8	74.8	74.9	74.9	75.2	75.2
>= 2500	57.8	70.1	72.4	74.6	75.2	75.5	75.8	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.7	76.7
>= 2000	57.8	70.6	73.0	75.2	75.8	76.1	76.4	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.4	77.4
>= 1800	58.4	71.3	73.7	75.9	76.5	76.8	77.1	77.5	77.5	77.9	77.9	77.9	77.9	77.9	78.2	78.2
>= 1500	59.0	72.3	74.8	77.3	77.9	78.2	78.6	78.9	78.9	79.3	79.3	79.3	79.4	79.4	79.6	79.6
>= 1200	59.7	73.6	76.3	78.7	79.5	79.7	80.1	80.4	80.4	80.8	80.8	80.8	80.9	80.9	81.1	81.1
>= 1000	60.1	74.7	77.7	80.2	81.0	81.3	81.9	82.3	82.3	82.7	82.7	82.7	82.8	82.8	83.1	83.1
>= 900	60.4	75.5	78.7	81.5	82.4	82.7	83.3	83.7	83.7	84.1	84.1	84.1	84.2	84.2	84.5	84.5
>= 800	60.6	75.9	79.3	82.3	83.4	83.8	84.6	85.0	85.0	85.6	85.6	85.6	85.7	85.7	85.9	85.9
>= 700	60.8	76.7	80.1	83.3	84.9	85.4	86.5	87.1	87.1	87.6	87.6	87.6	87.7	87.7	88.0	88.0
>= 600	60.8	77.2	81.0	85.2	87.4	88.0	89.9	90.6	90.6	91.2	91.3	91.3	91.4	91.4	91.7	91.7
>= 500	60.9	77.6	81.3	86.1	88.7	89.5	91.7	92.5	92.5	93.5	93.7	93.7	93.8	93.8	94.1	94.1
>= 400	60.9	77.6	81.3	86.4	89.0	90.0	92.5	93.5	93.5	95.0	95.3	95.3	95.4	95.4	95.7	95.7
>= 300	60.9	77.6	81.3	86.4	89.4	90.3	93.2	94.7	94.7	96.4	96.9	96.9	97.1	97.1	97.3	97.3
>= 200	60.9	77.6	81.3	86.4	89.4	90.3	93.2	95.0	95.1	96.9	97.7	97.7	98.1	98.1	98.7	98.7
>= 100	60.9	77.6	81.3	86.4	89.4	90.3	93.2	95.0	95.2	97.1	97.9	97.9	98.2	98.3	99.0	99.4
>= 0	60.9	77.6	81.3	86.4	89.4	90.3	93.2	95.0	95.2	97.1	97.9	97.9	98.2	98.3	99.2	100.0

TOTAL NO. OF OBS : 1129

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.1	47.0	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
>=20000	47.0	50.1	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
>=18000	47.0	50.1	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
>=16000	47.0	50.1	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
>=14000	47.5	51.0	51.8	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
>=12000	48.5	52.3	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
>=10000	51.4	55.6	56.5	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
>= 9000	53.0	57.6	58.6	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
>= 8000	54.6	59.9	61.0	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
>= 7000	55.5	60.9	62.1	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
>= 6000	56.3	62.1	63.2	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>= 5000	59.0	65.3	66.6	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 4500	60.1	66.7	67.9	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 4000	63.2	70.0	71.3	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>= 3500	64.9	71.8	73.0	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
>= 3000	67.2	74.4	76.0	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>= 2500	69.0	77.0	78.7	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
>= 2000	70.4	78.7	80.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
>= 1800	70.6	79.1	81.1	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
>= 1500	71.4	80.7	82.7	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
>= 1200	72.3	82.4	84.5	85.3	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
>= 1000	73.0	83.8	86.1	87.0	87.6	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
>= 900	73.2	84.7	87.3	88.4	89.0	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>= 800	73.4	85.4	88.2	89.7	90.4	90.7	90.7	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
>= 700	73.5	85.8	89.1	91.2	92.2	92.9	93.0	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
>= 600	73.5	86.3	89.9	92.3	93.8	94.7	95.3	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
>= 500	73.5	86.3	90.0	92.7	94.5	95.8	96.6	97.5	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
>= 400	73.5	86.3	90.0	92.7	94.7	96.0	96.9	97.9	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8
>= 300	73.5	86.3	90.0	92.7	94.8	96.1	97.1	98.1	98.2	99.0	99.1	99.2	99.4	99.4	99.4	99.4
>= 200	73.5	86.3	90.0	92.7	94.8	96.1	97.2	98.2	98.3	99.2	99.3	99.4	99.6	99.6	99.6	99.6
>= 100	73.5	86.3	90.0	92.7	94.8	96.1	97.2	98.2	98.3	99.2	99.3	99.4	99.6	99.7	100.0	100.0
>= 0	73.5	86.3	90.0	92.7	94.8	96.1	97.2	98.2	98.3	99.2	99.3	99.4	99.6	99.7	100.0	100.0

TOTAL NO. OF OBS : 1134

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.6	44.0	44.8	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
>=20000	43.7	47.6	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
>=18000	43.7	47.6	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
>=16000	43.8	47.7	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
>=14000	44.2	48.3	49.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
>=12000	45.6	49.8	50.6	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
>=10000	48.2	52.8	53.6	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
>= 9000	49.4	54.1	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>= 8000	50.3	55.0	55.8	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
>= 7000	51.6	56.3	57.1	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
>= 6000	53.3	58.1	58.9	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>= 5000	58.7	64.1	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
>= 4500	62.1	68.0	69.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
>= 4000	66.3	72.3	73.4	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
>= 3500	67.7	74.2	75.4	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
>= 3000	69.8	77.0	78.3	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>= 2500	71.8	79.4	80.8	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
>= 2000	72.6	81.4	82.8	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
>= 1800	73.3	82.4	83.8	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
>= 1500	74.3	83.7	85.3	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
>= 1200	75.3	85.2	87.3	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
>= 1000	75.7	86.1	88.6	90.5	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
>= 900	75.9	87.1	89.7	92.0	92.7	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
>= 800	76.1	87.8	90.5	93.1	94.0	94.2	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
>= 700	76.1	88.0	90.7	93.6	94.7	94.9	95.3	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8
>= 600	76.1	88.2	91.2	94.1	95.6	96.1	96.5	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
>= 500	76.1	88.3	91.3	94.3	95.8	96.4	97.2	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
>= 400	76.1	88.3	91.3	94.4	96.0	96.6	97.3	98.3	98.4	98.4	98.9	99.0	99.0	99.0	99.0	99.0
>= 300	76.1	88.3	91.3	94.4	96.1	96.9	97.6	98.6	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4
>= 200	76.1	88.3	91.3	94.4	96.1	96.9	97.7	98.8	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9
>= 100	76.1	88.3	91.3	94.4	96.1	96.9	97.7	98.8	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0
>= 0	76.1	88.3	91.3	94.4	96.1	96.9	97.7	98.8	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1124

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	41.4	44.2	45.3	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
>=20000	45.1	48.7	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
>=18000	45.1	48.7	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
>=16000	45.2	48.9	50.0	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
>=14000	45.9	49.8	50.9	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
>=12000	47.2	51.4	52.6	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
>=10000	49.6	54.3	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
>=9000	50.8	55.6	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
>=8000	52.4	57.4	58.9	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=7000	53.6	58.9	60.5	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
>=6000	56.5	61.9	63.6	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
>=5000	61.3	67.0	68.7	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
>=4500	63.7	70.0	71.9	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
>=4000	66.3	73.3	75.2	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
>=3500	68.3	76.0	78.0	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>=3000	69.3	77.6	79.6	80.3	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>=2500	70.6	79.3	81.3	82.0	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
>=2000	72.0	81.2	83.3	84.1	84.4	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
>=1800	72.2	81.7	83.9	84.8	85.0	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
>=1500	73.1	83.3	85.6	86.6	87.0	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
>=1200	73.6	84.2	86.6	87.9	88.3	88.4	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
>=1000	73.8	85.3	87.9	89.2	89.8	90.0	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
>=900	73.9	85.8	88.5	89.9	90.7	90.9	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
>=800	74.0	86.1	89.1	90.9	92.0	92.2	92.5	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
>=700	74.1	86.6	89.8	91.8	93.0	93.4	93.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
>=600	74.1	87.1	90.3	92.7	93.9	94.4	95.2	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6
>=500	74.1	87.2	90.4	92.8	94.2	94.7	95.7	96.9	97.3	97.5	97.5	97.6	97.6	97.6	97.6
>=400	74.1	87.2	90.4	93.0	94.5	94.9	96.1	97.6	98.0	98.2	98.2	98.3	98.3	98.4	98.4
>=300	74.1	87.2	90.5	93.1	94.7	95.2	96.4	98.0	98.1	98.8	99.0	99.4	99.4	99.5	99.5
>=200	74.1	87.2	90.5	93.1	94.7	95.2	96.4	98.0	98.1	98.8	99.3	99.6	99.6	99.7	99.8
>=100	74.1	87.2	90.5	93.1	94.7	95.2	96.4	98.0	98.1	98.8	99.3	99.7	99.7	99.8	100.0
>= 0	74.1	87.2	90.5	93.1	94.7	95.2	96.4	98.0	98.1	98.8	99.3	99.7	99.7	99.8	100.0

TOTAL NO. OF OBS : 1123

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)																				
CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0		
UNLIMIT	43.5	47.0	47.8	48.0	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3		
>=20000	46.5	51.1	52.0	52.2	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7		
>=18000	46.5	51.2	52.1	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7		
>=16000	46.5	51.2	52.1	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7		
>=14000	47.3	52.0	52.9	53.1	53.4	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6		
>=12000	49.1	54.4	55.4	55.5	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0		
>=10000	51.2	57.1	58.1	58.2	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8		
>= 9000	52.5	58.6	59.6	59.8	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4		
>= 8000	53.5	59.9	60.8	61.0	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7		
>= 7000	55.9	62.4	63.5	63.7	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4		
>= 6000	57.8	64.5	65.8	66.2	66.7	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9		
>= 5000	60.8	68.9	70.1	70.7	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5		
>= 4500	62.2	70.6	71.9	72.5	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3		
>= 4000	63.3	72.2	73.7	74.3	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2		
>= 3500	65.2	74.4	76.0	76.5	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4		
>= 3000	66.1	75.5	77.1	77.7	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6		
>= 2500	67.6	77.5	79.1	79.7	80.5	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7		
>= 2000	68.1	78.6	80.3	81.0	81.7	81.7	81.8	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1		
>= 1800	68.5	79.2	81.0	81.7	82.4	82.4	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8		
>= 1500	69.8	80.9	82.7	83.7	84.4	84.4	84.5	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9		
>= 1200	70.2	81.8	83.6	84.7	85.5	85.5	85.6	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1		
>= 1000	70.6	82.6	84.5	85.8	86.7	86.7	86.9	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4		
>= 900	70.7	83.2	85.3	86.7	87.8	87.8	88.0	88.3	88.4	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7		
>= 800	70.7	83.6	85.8	87.3	88.7	88.7	89.1	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7		
>= 700	70.7	84.2	86.7	88.6	90.3	90.5	91.1	91.5	91.6	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0		
>= 600	70.7	84.2	87.1	89.4	91.4	92.0	92.8	93.3	93.4	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8		
>= 500	70.7	84.3	87.4	89.8	92.0	92.6	93.7	94.2	94.3	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9		
>= 400	70.7	84.4	87.5	90.1	92.7	93.3	94.8	95.7	95.8	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5		
>= 300	70.7	84.4	87.5	90.1	92.9	93.5	95.4	96.6	96.7	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6		
>= 200	70.7	84.4	87.5	90.1	93.0	93.7	95.9	97.4	97.4	97.6	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9		
>= 100	70.7	84.4	87.5	90.1	93.0	93.7	95.9	97.4	97.4	97.6	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0		
>= 0	70.7	84.4	87.5	90.1	93.0	93.7	95.9	97.4	97.4	97.6	98.5	99.0	99.0	99.0	99.0	99.0	99.0	100.0		

TOTAL NO. OF OBS : 1111

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : APR
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8
UNLIMIT	46.0	49.1	49.6	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4
>=20000	48.8	52.2	52.7	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5
>=18000	48.9	52.3	52.8	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.6	53.6
>=16000	48.9	52.3	52.8	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.6	53.6
>=14000	49.3	52.7	53.3	53.7	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1
>=12000	51.3	54.9	55.5	55.9	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.3
>=10000	53.8	58.0	58.7	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.6	59.6	59.6
>= 9000	55.6	60.2	60.8	61.3	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7
>= 8000	56.9	61.7	62.5	63.1	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5
>= 7000	58.7	64.3	65.0	65.6	65.8	65.8	65.8	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1
>= 6000	60.0	66.1	66.8	67.5	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9
>= 5000	62.0	68.2	69.0	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2
>= 4500	63.2	69.6	70.5	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
>= 4000	64.1	71.0	71.9	72.7	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
>= 3500	65.4	72.5	73.4	74.2	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8
>= 3000	66.5	74.1	75.2	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.6	76.6	76.6
>= 2500	67.4	75.4	76.5	77.4	77.7	77.7	77.9	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1
>= 2000	67.9	76.4	77.7	78.7	79.2	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6
>= 1800	68.1	76.7	78.0	79.0	79.4	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9
>= 1500	68.7	77.9	79.3	80.4	80.9	80.9	81.2	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4
>= 1200	69.5	79.9	81.4	82.5	83.0	83.0	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5
>= 1000	69.9	80.7	82.5	83.7	84.3	84.3	84.7	84.7	84.7	84.8	84.8	84.9	85.0	85.0	85.0	85.0
>= 900	70.2	81.6	83.5	84.8	85.8	85.8	86.2	86.2	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.5
>= 800	70.6	82.5	84.5	86.0	87.1	87.1	87.6	87.6	87.6	87.7	87.8	87.8	87.9	87.9	87.9	87.9
>= 700	70.9	83.7	86.2	88.2	89.6	89.6	90.2	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.5
>= 600	70.9	83.9	86.9	89.7	91.3	91.3	91.9	91.9	92.0	92.0	92.4	92.4	92.5	92.5	92.5	92.5
>= 500	70.9	84.0	87.3	90.5	92.1	92.2	92.9	93.1	93.1	93.4	93.5	93.5	93.6	93.6	93.6	93.6
>= 400	70.9	84.1	87.4	90.8	92.9	93.1	94.4	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1
>= 300	70.9	84.1	87.5	91.1	93.6	94.0	95.3	95.3	95.8	96.4	96.5	96.5	96.7	96.7	96.7	96.7
>= 200	70.9	84.1	87.5	91.3	93.9	94.3	95.9	95.9	96.6	97.4	97.6	97.6	98.1	98.1	98.2	98.2
>= 100	70.9	84.1	87.5	91.3	93.9	94.3	96.0	96.9	97.0	98.1	98.2	98.2	99.1	99.1	99.3	99.4
>= 0	70.9	84.1	87.5	91.3	93.9	94.3	96.0	97.0	97.1	98.1	98.3	98.3	99.3	99.3	99.6	100.0

TOTAL NO. OF OBS : 1132

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.8	46.5	47.2	47.7	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1
>=20000	45.6	49.7	50.6	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.5	51.5
>=18000	45.6	49.8	50.6	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
>=16000	45.7	49.8	50.7	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6
>=14000	46.3	50.6	51.4	51.9	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4
>=12000	47.7	52.2	53.1	53.6	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
>=10000	50.3	55.2	56.1	56.7	56.9	56.9	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
>= 9000	51.6	56.8	57.8	58.4	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9
>= 8000	53.1	58.7	59.7	60.3	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9
>= 7000	54.7	60.6	61.7	62.3	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9
>= 6000	56.2	62.3	63.5	64.1	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7
>= 5000	59.2	65.8	67.0	67.8	68.1	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
>= 4500	60.9	67.8	69.1	69.9	70.2	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6
>= 4000	62.8	70.2	71.6	72.4	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
>= 3500	64.2	72.0	73.4	74.2	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0
>= 3000	65.5	73.6	75.2	76.1	76.5	76.5	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9
>= 2500	66.7	75.3	76.9	77.9	78.3	78.4	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
>= 2000	67.5	76.7	78.4	79.4	79.9	79.9	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4
>= 1800	67.8	77.2	79.0	80.0	80.5	80.6	80.7	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
>= 1500	68.6	78.6	80.4	81.6	82.2	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7
>= 1200	69.4	79.9	81.9	83.2	83.8	83.9	84.1	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
>= 1000	69.8	81.0	83.2	84.8	85.5	85.6	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
>= 900	70.1	81.8	84.3	86.0	86.9	87.1	87.4	87.6	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
>= 800	70.3	82.6	85.2	87.2	88.3	88.5	88.9	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.5	89.5
>= 700	70.4	83.3	86.1	88.5	89.9	90.2	90.7	91.0	91.1	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
>= 600	70.4	83.7	86.9	89.7	91.5	91.9	92.8	93.3	93.3	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7
>= 500	70.5	83.8	87.2	90.4	92.4	93.0	94.1	94.7	94.8	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4
>= 400	70.5	83.9	87.3	90.6	93.0	93.6	95.0	95.8	95.8	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6
>= 300	70.5	83.9	87.3	90.8	93.3	94.0	95.6	96.7	96.8	97.5	97.7	97.7	97.7	97.9	97.9	97.9	97.9
>= 200	70.5	83.9	87.4	90.9	93.4	94.1	95.8	97.1	97.2	98.1	98.4	98.4	98.4	98.8	98.8	98.9	98.9
>= 100	70.5	83.9	87.4	90.9	93.4	94.1	95.8	97.2	97.3	98.3	98.7	98.7	98.8	99.2	99.2	99.5	99.6
>= 0	70.5	83.9	87.4	90.9	93.4	94.1	95.8	97.2	97.3	98.3	98.7	98.7	98.8	99.3	99.3	99.7	100.0

TOTAL NO. OF OBS : 9012

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)											TOTAL	MEAN		
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED
DIR.																
N	.3	2.7	3.8	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	8.8	8.4	
NNE	.3	1.4	2.1	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.3	8.3	
NE	.2	1.4	1.8	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.5	
ENE	.1	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.4	
E	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.6	
ESE	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.8	
SE	.7	1.8	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.5	
SSE	1.3	1.9	2.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.3	
S	1.3	6.3	4.0	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.4	
SSW	.3	2.9	2.5	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	6.9	7.8	
SW	1.0	2.9	3.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	7.4	
WSW	.2	3.1	2.2	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	7.1	7.7	
W	1.0	2.8	3.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	6.9	
WNW	.3	2.4	2.3	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.9	7.7	
NW	1.0	2.9	2.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	6.7	
NNW	.1	2.5	2.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	7.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	
ALL	8.2	36.2	35.1	13.0	1.0	.2	.0	.0	.0	.0	.0	.0	.0	100.0	6.8	

TOTAL NO. OF OBS : 1177

NOTES : * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 0400 LST

CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT.		1	-	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL %					MEAN	
DIR.		1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56						SPEED
N		.3		3.4		3.9		2.2		.3		.0	.0	.0	.0	.0	10.1		8.4			
NNE		.2		1.1		2.6		1.1		.1		.0	.0	.0	.0	.0	5.1		8.8			
NE		.5		.7		2.0		1.5		.0		.0	.0	.0	.0	.0	4.7		8.7			
ENE		.1		.7		1.0		.3		.0		.0	.0	.0	.0	.0	2.1		7.4			
E		.1		.4		.7		.0		.1		.0	.0	.0	.0	.0	1.3		7.4			
ESE		.0		.6		.2		.1		.0		.0	.0	.0	.0	.0	.8		5.9			
SE		.4		1.6		.9		.1		.0		.0	.0	.0	.0	.0	3.1		6.4			
SSE		.3		3.1		1.4		.7		.0		.0	.0	.0	.0	.0	5.5		6.5			
S		1.7		4.8		3.2		1.2		.0		.0	.0	.0	.0	.0	10.9		6.3			
SSW		.8		1.9		1.2		.5		.1		.0	.0	.0	.0	.0	4.6		7.0			
SW		1.0		2.8		2.2		1.2		.0		.0	.0	.0	.0	.0	7.2		7.2			
WSW		.7		3.5		2.0		1.1		.1		.0	.0	.0	.0	.0	7.4		7.1			
W		.8		2.6		3.4		.8		.0		.0	.0	.0	.0	.0	7.6		7.1			
WNW		.7		2.0		1.9		.3		.1		.0	.0	.0	.0	.0	5.0		6.7			
NW		.6		3.7		2.0		1.0		.1		.0	.0	.0	.0	.0	7.4		6.8			
NNW		.4		2.4		3.0		.6		.1		.0	.0	.0	.0	.0	6.5		7.3			
VAR		.0		.0		.0		.0		.0		.0	.0	.0	.0	.0	.0		.0			
CLM		.0		.0		.0		.0		.0		.0	.0	.0	.0	.0	.0		.0			
ALL		8.7		35.3		31.5		12.7		.8		.2	.0	.0	.0	.0	100.0		6.5			

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL		MEAN	
DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	%	%	%	%	%	%	%
N	.7	1.9	4.0	4.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8
NNE	.6	1.4	3.1	2.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3
NE	.4	1.1	3.1	2.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7
NENE	.0	1.2	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9
E	.4	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
ESE	.1	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
SE	.3	1.9	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4
SSE	.3	2.4	2.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
S	.9	3.5	4.2	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6
SSW	.3	1.5	1.4	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6
SW	.3	1.7	2.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5
WSW	.7	1.3	2.5	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6
W	.2	1.4	2.9	1.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9
WNW	.3	.9	2.8	2.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1
NW	.3	1.5	2.2	2.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4
NNW	.2	1.9	2.6	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
LL	5.9	24.6	36.8	24.7	2.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	.8	2.7	3.7	.5	.0	.0	.0	.0	.0	7.9	11.1
NNE	.3	1.3	2.1	3.6	.3	.2	.0	.0	.0	.0	7.6	10.7
NE	.2	1.4	3.1	2.7	.3	.0	.0	.0	.0	.0	7.7	10.0
ENE	.2	.8	1.4	1.5	.2	.0	.0	.0	.0	.0	4.0	9.6
E	.1	.7	1.7	.3	.0	.0	.0	.0	.0	.0	2.8	8.1
ESE	.3	1.4	1.2	.3	.0	.0	.0	.0	.0	.0	3.2	6.9
SE	.3	2.0	5.2	2.2	.2	.0	.0	.0	.0	.0	9.8	8.8
SSE	.1	1.9	4.4	3.5	.1	.0	.0	.0	.0	.0	9.9	9.2
S	.2	1.4	3.6	2.3	.3	.1	.0	.0	.0	.0	7.8	9.6
SSW	.0	.4	.8	1.9	.6	.3	.0	.0	.0	.0	4.1	13.4
SW	.3	.3	1.3	2.9	.9	.1	.0	.0	.0	.0	5.8	12.2
WSW	.1	.4	1.1	1.9	.4	.3	.0	.0	.0	.0	4.2	12.6
W	.1	.6	2.1	2.6	.6	.0	.0	.0	.0	.0	6.0	10.9
WNW	.0	.4	2.0	3.6	.8	.2	.0	.0	.0	.0	7.0	12.4
NW	.1	.2	1.4	3.2	.7	.1	.0	.0	.0	.0	5.7	12.5
NNW	.1	.8	1.2	2.5	.3	.0	.0	.0	.0	.0	4.8	10.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0
ALL	2.3	14.8	35.4	38.6	6.1	1.2	.0	.0	.0	.0	100.0	10.3

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 1300 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	3	4	5	6		
N	.1	.6	2.0	2.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	11.6
NNE	.1	.3	2.3	3.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	11.6
NE	.1	.6	2.0	3.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	11.2
ENE	.3	.5	1.3	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	9.8
E	.1	.8	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.6
ESE	.0	.3	.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	10.2
SE	.0	.9	3.8	5.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	11.8
SSE	.1	.4	3.7	10.5	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.8	12.7
S	.3	.8	3.2	5.3	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	11.8
SSW	.0	.1	.4	2.9	.8	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	15.4
SW	.2	.3	.8	2.0	1.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	14.7
WSW	.0	.0	.7	2.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	14.3
W	.0	.1	.6	2.3	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	13.7
WNW	.0	.2	1.3	4.4	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	13.6
NW	.0	.4	.9	2.4	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	13.9
NNW	.0	.3	.8	2.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	12.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
ALL	1.1	6.6	25.6	51.6	12.3	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	12.4

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	1	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL					MEAN
DIR.		1	1	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%		SPEED		
N		.2		.4				1.6	2.0	.3	.1	.0	.0	.0	.0	.0	4.7		11.0		
NNE		.0		.3				1.6	2.4	.2	.0	.1	.0	.0	.0	.0	4.5		11.8		
NE		.0		.6				2.9	2.4	.5	.0	.0	.0	.0	.0	.0	6.4		11.1		
ENE		.0		.3				1.1	1.5	.3	.0	.0	.0	.0	.0	.0	3.2		11.3		
E		.0		.4				.6	1.0	.0	.0	.0	.0	.0	.0	.0	2.0		9.9		
ESE		.0		.5				.5	.6	.0	.0	.0	.0	.0	.0	.0	1.6		9.2		
SE		.0		.5				2.7	3.7	.5	.1	.0	.0	.0	.0	.0	7.5		11.5		
SSE		.2		.4				4.8	9.6	.8	.1	.0	.0	.0	.0	.0	16.0		12.7		
S		.1		.8				3.1	9.2	2.3	.1	.0	.0	.0	.0	.0	15.4		14.9		
SSW		.0		.2				1.0	4.5	2.3	.5	.0	.0	.0	.0	.0	8.5		14.8		
SW		.1		.2				1.1	4.8	1.3	.8	.1	.0	.0	.0	.0	8.2		14.7		
WSW		.0		.1				.3	1.9	.8	.2	.0	.0	.0	.0	.0	3.2		11.9		
W		.0		.3				.8	2.2	.2	.0	.0	.0	.0	.0	.0	3.6		12.9		
WNW		.1		.2				1.3	3.3	1.0	.1	.0	.0	.0	.0	.0	5.9		13.9		
NW		.1		.1				.8	3.5	.8	.2	.1	.0	.0	.0	.0	5.6		13.0		
NNW		.0		.3				.8	1.4	.8	.0	.0	.0	.0	.0	.0	3.4		.0		
VAR		.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
CLM		.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.3		.0		
ALL		.7	5.5	25.2	53.9	12.1	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	12.6			

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

D14765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 1		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND							
N	.0	.4	1.9	1.3	.1	.0	.0	.0	.0	.0	.0	.0	3.7	10.1							
NNE	.0	.8	1.4	1.4	.3	.0	.1	.0	.0	.0	.0	.0	3.9	10.4							
NE	.3	.8	2.8	2.6	.3	.0	.0	.0	.0	.0	.0	.0	6.9	9.8							
ENE	.1	.5	1.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	3.2	9.0							
E	.0	.6	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.0							
ESE	.1	.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.9							
SE	.3	2.2	3.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	6.8	7.8							
SSE	.6	2.0	7.4	2.4	.1	.0	.0	.0	.0	.0	.0	.0	12.5	8.7							
S	.5	2.6	10.2	3.5	.2	.0	.0	.0	.0	.0	.0	.0	17.0	8.8							
SSW	.2	1.5	4.2	3.7	.2	.3	.0	.0	.0	.0	.0	.0	10.0	10.2							
SW	.1	.6	4.6	4.5	.5	.1	.0	.0	.0	.0	.0	.0	10.4	11.1							
WSW	.2	.3	2.6	1.9	.2	.0	.0	.0	.0	.0	.0	.0	5.1	10.4							
W	.0	.2	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.5	9.8							
WNW	.1	1.1	2.2	1.9	.2	.1	.0	.0	.0	.0	.0	.0	5.5	9.9							
NW	.1	.3	2.0	2.1	.3	.0	.0	.0	.0	.0	.0	.0	4.8	10.7							
NNW	.0	.6	1.2	1.4	.3	.0	.0	.0	.0	.0	.0	.0	3.6	10.9							
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							
ALL	2.5	15.4	48.3	29.5	2.5	.4	.1	.0	.0	.0	.0	.0	100.0	5.5							

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	-	31	4	-	61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>561	TOTAL	MEAN	
DIR.		SPEED (KNOTS)																%	SPEED
N	.3	2.2						2.5	1.7	.0	.0	.0	.0	.0	.0	.0	6.7	8.2	
NNE	.1	1.4						1.6	1.5	.0	.0	.1	.0	.0	.0	.0	4.8	9.5	
NE	.3	1.4						1.8	.8	.2	.0	.0	.0	.0	.0	.0	4.4	8.0	
ENE	.2	1.3						1.3	.3	.0	.0	.0	.0	.0	.0	.0	3.1	7.3	
E	.0	1.3						.7	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.1	
ESE	.1	.8						.3	.1	.0	.0	.0	.0	.0	.0	.0	1.3	6.1	
SE	.6	2.0						1.8	.4	.0	.0	.0	.0	.0	.0	.0	4.8	6.6	
SSE	.3	3.1						2.5	.4	.0	.0	.0	.0	.0	.0	.0	6.5	6.6	
S	1.4	5.6						6.0	1.4	.2	.1	.0	.0	.0	.0	.0	14.6	7.1	
SSW	.5	2.9						2.6	1.4	.2	.1	.0	.0	.0	.0	.0	7.7	8.0	
SW	.3	3.7						4.2	2.8	.3	.1	.0	.0	.0	.0	.0	11.4	8.6	
WSW	.7	2.4						3.7	1.4	.0	.0	.0	.0	.0	.0	.0	8.2	7.5	
W	.5	2.5						3.6	.6	.0	.0	.0	.0	.0	.0	.0	7.2	7.2	
WNW	.5	1.4						1.4	1.3	.0	.0	.0	.0	.0	.0	.0	4.7	8.1	
NW	.2	1.9						2.5	1.1	.1	.0	.0	.0	.0	.0	.0	5.8	8.4	
NNW	.1	.6						1.7	1.1	.1	.0	.0	.0	.0	.0	.0	3.6	9.6	
VAR	.0	.0						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0						.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	
ALL	6.0	34.4						38.5	16.3	.9	.3	.1	.0	.0	.0	.0	100.0	7.5	

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 COMDITON : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT.	1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED		
DIR.	1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED		
N	.3	1.5	2.8	2.4	.3	.1	.0*	.0	.0	.0	.0	.0	.0	7.3	9.6		
NNE	.2	1.0	2.1	2.1	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	5.7	10.1		
NE	.3	1.0	2.4	2.1	.3	.0*	.0	.0	.0	.0	.0	.0	.0	6.0	9.8		
ENE	.1	.7	1.2	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	8.9		
E	.1	.7	.8	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.8		
ESE	.1	.6	.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.5		
SE	.3	1.6	2.5	1.6	.3	.0*	.0	.0	.0	.0	.0	.0	.0	6.3	9.0		
SSE	.4	1.9	3.7	3.5	.4	.0*	.0	.0	.0	.0	.0	.0	.0	9.9	9.6		
S	.8	3.2	4.7	3.1	.5	.0*	.0	.0	.0	.0	.0	.0	.0	12.4	8.9		
SSW	.3	1.4	1.8	2.1	.6	.3	.0*	.0	.0	.0	.0	.0	.0	6.4	10.6		
SW	.4	1.5	2.4	2.7	.5	.2	.0*	.0	.0	.0	.0	.0	.0	7.8	10.3		
WSW	.3	1.4	1.9	1.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	5.6	9.6		
W	.3	1.3	2.3	1.4	.2	.0*	.0	.0	.0	.0	.0	.0	.0	5.5	8.9		
WNW	.2	1.1	1.9	2.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	6.0	10.4		
NW	.3	1.4	1.8	2.1	.4	.1	.0*	.0	.0	.0	.0	.0	.0	6.1	10.0		
NNW	.1	1.2	1.7	1.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	4.8	9.6		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	.0		
ALL	4.4	21.6	34.5	30.1	4.8	.8	.1	.0	.0	.0	.0	.0	.0	100.0	9.2		

TOTAL NO. OF OBS : 9420

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.7	45.4	46.6	47.4	47.9	47.9	47.9	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.3
>=20000	42.4	47.4	49.0	49.7	50.3	50.3	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.7
>=18000	42.4	47.4	49.0	49.7	50.3	50.3	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.7
>=16000	42.4	47.4	49.0	49.7	50.3	50.3	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.7
>=14000	43.2	48.5	50.0	50.8	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.7
>=12000	45.4	51.2	52.8	53.6	54.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.6
>=10000	48.0	54.9	56.6	57.5	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4
>= 9000	49.1	56.4	58.1	58.9	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.0
>= 8000	50.4	58.2	60.1	61.1	61.6	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.1
>= 7000	52.6	60.9	62.8	63.8	64.3	64.4	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.9
>= 6000	53.6	62.7	64.6	65.6	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.7
>= 5000	55.2	64.8	66.7	67.8	68.3	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.8
>= 4500	55.7	65.5	67.5	68.6	69.2	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.8
>= 4000	56.5	66.8	68.9	70.0	70.5	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.2
>= 3500	57.6	68.0	70.1	71.2	71.7	71.9	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
>= 3000	57.8	68.7	70.9	72.1	72.6	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.3
>= 2500	58.2	69.2	71.5	72.9	73.4	73.5	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.1
>= 2000	58.6	70.0	72.3	73.7	74.3	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	75.0
>= 1800	58.8	70.4	72.7	74.1	74.7	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
>= 1500	59.5	71.4	73.6	75.1	75.7	75.9	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.4
>= 1200	60.3	72.7	74.9	76.5	77.2	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.9
>= 1000	61.0	74.2	76.7	78.6	79.3	79.5	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	80.0
>= 900	61.3	75.4	78.1	80.2	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.6
>= 800	61.5	76.3	79.3	81.7	82.7	82.9	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.5
>= 700	61.8	77.2	80.6	83.5	85.1	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.9
>= 600	61.9	77.7	81.3	84.5	86.5	86.8	87.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
>= 500	61.9	78.1	82.0	85.6	88.1	88.4	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.7
>= 400	61.9	78.4	82.4	86.3	88.9	89.4	90.9	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.8
>= 300	61.9	78.6	82.7	86.8	90.1	90.8	92.5	93.3	93.5	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	94.1
>= 200	61.9	78.6	82.7	86.9	90.3	91.0	93.0	94.1	94.3	95.1	95.6	95.7	95.7	95.7	95.9	96.0	96.1	96.3
>= 100	61.9	78.6	82.7	86.9	90.4	91.1	93.0	94.2	94.5	95.6	96.4	96.6	96.6	96.6	97.2	97.5	98.2	98.5
>= 0	61.9	78.6	82.7	86.9	90.4	91.1	93.0	94.2	94.5	95.6	96.5	96.6	96.6	96.6	97.3	97.7	98.9	100.0

TOTAL NO. OF OBS : 1164

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY
HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	35.5	41.6	43.1	44.6	45.5	45.6	46.2	46.3	46.3	46.5	46.6	46.6	46.6	46.6	46.8	46.8	46.9	47.1
>=20000	37.3	43.9	45.6	47.2	48.2	48.3	49.0	49.2	49.2	49.4	49.5	49.5	49.5	49.5	49.7	49.7	49.9	50.0
>=18000	37.4	44.0	45.7	47.3	48.2	48.4	49.1	49.3	49.3	49.5	49.6	49.6	49.6	49.6	49.8	49.8	50.0	50.1
>=16000	37.5	44.1	45.7	47.4	48.3	48.5	49.2	49.4	49.4	49.6	49.7	49.7	49.7	49.7	49.9	49.9	50.0	50.2
>=14000	38.0	44.8	46.4	48.1	49.0	49.2	49.9	50.0	50.0	50.3	50.4	50.4	50.4	50.4	50.6	50.6	50.7	50.9
>=12000	39.9	46.9	48.8	50.4	51.3	51.5	52.2	52.4	52.4	52.6	52.7	52.7	52.7	52.7	52.9	52.9	53.1	53.2
>=10000	42.6	50.6	52.5	54.3	55.2	55.4	56.1	56.3	56.3	56.6	56.7	56.7	56.7	56.7	56.8	56.8	57.0	57.2
>= 9000	44.0	52.5	54.5	56.2	57.2	57.4	58.0	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.8	58.8	59.0	59.2
>= 8000	45.1	54.3	56.5	58.3	59.2	59.4	60.2	60.4	60.4	60.7	60.8	60.8	60.8	60.8	61.0	61.0	61.1	61.3
>= 7000	46.5	56.0	58.3	60.2	61.1	61.3	62.1	62.3	62.3	62.6	62.7	62.7	62.7	62.7	62.9	62.9	63.0	63.2
>= 6000	47.6	57.5	59.8	61.7	62.7	62.9	63.6	63.9	63.9	64.1	64.2	64.2	64.2	64.2	64.4	64.4	64.6	64.7
>= 5000	48.6	58.7	61.0	62.9	64.0	64.1	64.9	65.2	65.2	65.4	65.5	65.5	65.5	65.5	65.7	65.7	65.9	66.0
>= 4500	49.4	59.8	62.2	64.1	65.2	65.3	66.1	66.4	66.4	66.6	66.7	66.7	66.7	66.7	66.9	66.9	67.1	67.2
>= 4000	50.2	61.0	63.7	65.6	66.8	67.0	67.8	68.0	68.0	68.3	68.4	68.4	68.4	68.4	68.5	68.5	68.7	68.9
>= 3500	50.7	61.7	64.5	66.4	67.6	67.8	68.5	68.8	68.8	69.0	69.1	69.1	69.1	69.1	69.3	69.3	69.5	69.6
>= 3000	51.6	62.9	66.0	67.9	69.2	69.5	70.2	70.5	70.5	70.8	70.9	70.9	70.9	70.9	71.0	71.0	71.2	71.4
>= 2500	52.4	64.0	67.2	69.2	70.5	70.8	71.6	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.4	72.4	72.6	72.7
>= 2000	53.0	64.7	68.1	70.3	71.6	71.9	72.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.7	73.9
>= 1800	53.1	65.1	68.4	70.7	72.0	72.3	73.2	73.4	73.4	73.7	73.8	73.8	73.8	73.8	73.9	73.9	74.1	74.3
>= 1500	53.5	65.9	69.2	71.5	72.8	73.2	74.0	74.3	74.3	74.5	74.6	74.6	74.6	74.6	74.8	74.8	75.0	75.2
>= 1200	54.2	67.2	70.7	73.0	74.4	74.7	75.6	75.8	75.8	76.1	76.2	76.2	76.2	76.2	76.4	76.4	76.5	76.7
>= 1000	54.9	68.5	72.4	74.9	76.4	76.7	77.6	77.8	77.8	78.1	78.2	78.2	78.2	78.2	78.4	78.4	78.6	78.8
>= 900	55.0	69.1	73.1	75.8	77.2	77.6	78.4	78.7	78.7	78.9	79.1	79.1	79.1	79.1	79.3	79.3	79.4	79.6
>= 800	55.2	69.8	73.9	76.6	78.2	78.6	79.5	79.9	79.9	80.1	80.3	80.3	80.3	80.3	80.5	80.5	80.7	80.8
>= 700	55.2	70.8	75.2	78.4	80.1	80.7	81.7	82.0	82.0	82.3	82.5	82.5	82.5	82.5	82.6	82.6	82.8	83.0
>= 600	55.2	71.5	76.3	79.9	81.9	82.5	83.7	84.2	84.2	84.5	84.7	84.7	84.7	84.7	84.9	84.9	85.0	85.2
>= 500	55.2	71.6	77.0	81.0	84.1	84.6	86.4	86.9	87.0	87.4	87.5	87.5	87.5	87.5	87.7	87.7	88.0	88.1
>= 400	55.2	71.6	77.1	81.6	85.2	85.8	88.5	89.8	90.0	90.4	90.5	90.5	90.5	90.5	90.8	90.8	91.1	91.2
>= 300	55.2	71.6	77.1	81.9	85.8	86.6	89.9	91.7	92.0	93.0	93.5	93.5	93.5	93.5	93.8	93.8	94.1	94.2
>= 200	55.2	71.6	77.1	81.9	85.9	86.7	90.4	92.9	93.4	94.8	95.6	95.6	95.6	95.7	96.2	96.2	96.5	96.6
>= 100	55.2	71.6	77.1	81.9	85.9	86.7	90.4	92.9	93.4	95.1	96.1	96.1	96.1	96.3	97.2	97.4	98.5	98.8
>= 0	55.2	71.6	77.1	81.9	85.9	86.7	90.4	92.9	93.4	95.1	96.1	96.1	96.1	96.3	97.2	97.5	99.1	100.0

TOTAL NO. OF OBS : 1163

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	36.1	43.3	45.1	46.8	47.2	47.4	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
>=20000	38.4	46.3	48.4	50.3	50.8	50.9	50.9	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
>=18000	38.4	46.4	48.5	50.4	50.9	51.0	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3
>=16000	38.4	46.4	48.5	50.4	50.9	51.0	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3
>=14000	39.0	47.0	49.1	51.0	51.5	51.6	51.7	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9
>=12000	40.4	49.1	51.5	53.6	54.1	54.3	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
>=10000	42.2	51.9	54.6	57.2	57.8	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
>=9000	43.5	53.4	56.4	59.0	59.6	59.9	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>=8000	44.4	54.8	57.7	60.5	61.1	61.4	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>=7000	45.8	56.4	59.3	62.1	62.8	63.1	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>=6000	46.7	57.6	60.5	63.4	64.1	64.4	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
>=5000	47.4	58.7	61.8	64.9	65.6	65.8	66.1	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
>=4500	48.1	59.5	62.7	66.1	66.9	67.1	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
>=4000	48.8	60.5	63.9	67.5	68.2	68.5	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>=3500	49.5	61.4	65.1	68.8	69.5	69.8	70.1	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>=3000	50.2	62.5	66.3	70.0	70.7	71.0	71.4	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
>=2500	50.6	63.1	67.0	70.7	71.4	71.8	72.2	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
>=2000	51.3	64.1	68.0	71.7	72.5	72.9	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>=1800	51.7	64.5	68.5	72.2	73.1	73.4	73.8	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
>=1500	52.4	65.6	69.6	73.3	74.2	74.5	75.0	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>=1200	52.9	66.5	70.7	74.5	75.5	75.8	76.2	76.5	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>=1000	53.7	68.1	72.6	76.8	77.7	78.1	78.6	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3
>=900	54.0	68.4	73.2	77.7	78.7	79.0	79.5	79.9	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
>=800	54.1	68.9	74.0	78.6	79.7	80.1	80.8	81.2	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
>=700	54.2	69.4	74.8	80.1	81.4	81.9	82.8	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
>=600	54.6	70.2	76.0	82.1	83.6	84.6	86.0	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
>=500	54.7	70.4	76.5	83.1	85.2	86.3	88.3	89.1	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9
>=400	54.7	70.4	76.7	83.6	86.6	88.0	90.6	92.1	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
>=300	54.7	70.4	76.7	83.7	86.8	88.4	91.3	93.6	95.4	95.7	95.7	95.7	95.8	96.0	96.0	96.0
>=200	54.7	70.4	76.7	83.7	86.8	88.4	91.5	94.1	96.6	97.3	97.3	97.5	97.8	98.4	98.5	98.5
>=100	54.7	70.4	76.7	83.7	86.8	88.4	91.5	94.1	96.6	97.3	97.3	97.6	98.3	99.3	99.7	99.7
>=0	54.7	70.4	76.7	83.7	86.8	88.4	91.5	94.1	96.6	97.3	97.3	97.6	98.5	99.5	100.0	100.0

TOTAL NO. OF OBS : 1162

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0	>=0
UNLIMIT	41.8	48.5	49.3	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
>=20000	44.7	52.1	53.2	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
>=18000	44.8	52.2	53.3	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
>=16000	44.9	52.3	53.3	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
>=14000	45.5	53.3	54.4	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
>=12000	46.5	54.9	55.9	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
>=10000	48.7	57.8	59.1	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
>= 9000	49.4	58.7	60.0	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>= 8000	51.2	61.0	62.3	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
>= 7000	51.7	61.7	63.1	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
>= 6000	52.5	62.6	64.0	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>= 5000	54.3	64.6	66.1	67.8	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
>= 4500	55.5	66.1	67.6	69.3	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
>= 4000	56.8	67.9	69.5	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
>= 3500	58.0	69.4	71.1	72.9	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>= 3000	59.6	71.1	72.9	74.7	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>= 2500	61.4	73.3	75.1	76.9	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
>= 2000	62.4	74.6	76.5	78.3	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
>= 1800	63.0	75.3	77.3	79.1	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
>= 1500	64.0	76.6	78.9	80.7	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
>= 1200	64.2	78.0	80.5	82.7	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
>= 1000	64.6	79.3	82.1	84.7	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
>= 900	64.7	79.9	82.7	85.4	87.1	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
>= 800	64.9	80.6	84.0	87.2	89.0	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
>= 700	64.9	80.8	84.8	88.3	90.4	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
>= 600	65.0	80.9	85.2	89.5	91.8	92.3	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
>= 500	65.1	81.2	85.5	90.2	93.0	93.6	94.8	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6
>= 400	65.2	81.3	85.7	90.8	93.9	94.5	96.0	96.9	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6
>= 300	65.2	81.3	85.7	90.8	94.2	94.9	96.6	97.9	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8
>= 200	65.2	81.3	85.7	90.8	94.2	94.9	96.6	97.9	98.0	98.9	99.2	99.4	99.4	99.4	99.4	99.4
>= 100	65.2	81.3	85.7	90.8	94.2	94.9	96.6	97.9	98.0	98.9	99.2	99.4	99.4	99.4	99.4	99.4
>= 0	65.2	81.3	85.7	90.8	94.2	94.9	96.6	97.9	98.0	98.9	99.2	99.4	99.4	99.4	99.4	99.4

TOTAL NO. OF OBS : 1168

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)											
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=1/4
UNLIMIT	39.5	45.9	47.3	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
>=20000	42.3	49.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
>=18000	42.3	49.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
>=16000	42.6	50.0	51.6	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
>=14000	43.0	50.5	52.1	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
>=12000	44.7	52.3	54.1	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
>=10000	46.7	55.4	57.6	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4
>=9000	47.4	56.1	58.4	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=8000	48.8	58.3	60.6	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4
>=7000	49.7	59.6	61.9	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7
>=6000	51.3	61.3	63.7	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>=5000	55.7	65.9	68.3	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>=4500	58.1	68.8	71.4	72.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2
>=4000	60.5	71.9	74.5	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4
>=3500	61.8	73.5	76.2	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2
>=3000	63.1	75.0	78.1	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1
>=2500	65.1	78.0	81.0	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2
>=2000	66.1	79.7	82.7	84.0	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3
>=1800	66.4	80.1	83.2	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7
>=1500	66.9	81.0	84.1	85.7	85.9	86.0	86.3	86.3	86.3	86.3	86.3	86.3
>=1200	67.4	82.0	85.6	87.3	87.9	88.1	88.4	88.4	88.4	88.4	88.4	88.4
>=1000	67.7	83.2	87.0	88.8	89.4	89.8	90.1	90.1	90.2	90.2	90.2	90.2
>=900	67.8	83.6	87.7	89.9	90.5	90.9	91.3	91.4	91.5	91.5	91.5	91.5
>=800	68.0	84.1	88.4	90.9	91.8	92.4	92.9	93.0	93.1	93.1	93.1	93.1
>=700	68.0	84.6	89.0	91.8	93.2	93.8	94.6	94.7	94.9	94.9	94.9	94.9
>=600	68.0	84.6	89.5	92.5	94.3	94.9	95.9	96.2	96.4	96.4	96.4	96.4
>=500	68.0	84.6	89.7	92.9	94.9	95.6	96.8	97.1	97.7	97.7	97.7	97.7
>=400	68.0	84.6	89.8	93.3	95.5	96.2	97.7	98.1	98.2	98.9	99.0	99.0
>=300	68.0	84.6	89.9	93.5	95.7	96.4	98.0	98.5	98.7	99.5	99.6	99.6
>=200	68.0	84.6	89.9	93.5	95.7	96.4	98.0	98.5	98.7	99.5	99.9	99.9
>=100	68.0	84.6	89.9	93.5	95.7	96.4	98.0	98.5	98.7	99.5	99.9	99.9
>=0	68.0	84.6	89.9	93.5	95.7	96.4	98.0	98.5	98.7	99.5	99.9	99.9

TOTAL NO. OF OPS : 1153

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY
HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	41.0	46.2	47.7	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
>=20000	44.9	51.4	53.2	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
>=18000	45.0	51.5	53.2	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
>=16000	45.1	51.6	53.3	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
>=14000	46.0	52.7	54.5	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
>=12000	47.7	55.1	57.0	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
>=10000	50.3	58.3	60.3	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=9000	51.6	60.2	62.3	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>=8000	53.0	62.0	64.2	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
>=7000	54.3	63.5	65.8	66.6	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
>=6000	55.7	65.1	67.3	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>=5000	59.6	69.9	72.4	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
>=4500	61.1	71.8	74.3	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>=4000	63.1	74.8	77.4	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
>=3500	64.2	76.6	79.3	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
>=3000	65.0	77.9	80.7	82.4	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
>=2500	65.6	78.9	81.8	83.5	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
>=2000	66.4	79.9	83.1	84.9	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
>=1800	66.7	80.3	83.4	85.2	85.8	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
>=1500	67.3	81.3	84.4	86.6	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
>=1200	68.4	82.8	85.9	88.3	89.1	89.3	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
>=1000	68.7	83.7	86.9	89.8	90.8	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
>=900	68.7	84.0	87.2	90.4	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
>=800	68.8	84.6	87.9	91.4	92.4	92.7	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2
>=700	68.8	85.0	88.7	92.3	93.4	93.7	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
>=600	68.8	85.1	89.3	93.3	94.9	95.2	95.9	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7
>=500	68.9	85.2	89.5	93.9	95.6	96.0	96.8	97.1	97.2	97.7	97.7	97.7	97.7	97.7	97.7
>=400	68.9	85.2	89.5	93.9	95.6	96.1	97.1	97.8	98.0	98.5	98.5	98.5	98.5	98.5	98.5
>=300	68.9	85.2	89.5	93.9	95.7	96.3	97.5	98.3	98.4	99.3	99.4	99.5	99.5	99.5	99.5
>=200	68.9	85.2	89.5	93.9	95.8	96.4	97.6	98.4	98.5	99.6	99.7	99.7	99.7	99.7	99.7
>=100	68.9	85.2	89.5	93.9	95.8	96.4	97.6	98.4	98.5	99.6	99.7	99.8	99.8	99.9	100.0
>= 0	68.9	85.2	89.5	93.9	95.8	96.4	97.6	98.4	98.5	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NO. OF OBS : 1157

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY
HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	39.3	44.6	46.2	47.2	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
>=20000	43.0	49.4	51.2	52.4	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
>=18000	43.0	49.4	51.2	52.5	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
>=16000	43.0	49.4	51.3	52.5	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
>=14000	44.4	50.8	52.8	54.0	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
>=12000	46.9	54.4	56.5	57.9	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
>=10000	49.4	58.4	60.6	62.1	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>= 9000	50.9	60.2	62.4	64.1	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
>= 8000	52.3	62.2	64.5	66.1	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
>= 7000	54.0	64.0	66.4	68.2	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
>= 6000	55.6	66.1	68.5	70.3	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>= 5000	57.3	68.4	70.8	72.7	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>= 4500	58.3	70.1	72.6	74.5	74.9	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>= 4000	59.2	71.5	74.3	76.3	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
>= 3500	59.9	72.4	75.4	77.5	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
>= 3000	60.7	73.6	76.6	78.7	79.3	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
>= 2500	61.2	74.2	77.5	79.8	80.4	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
>= 2000	61.8	75.1	78.4	80.7	81.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
>= 1800	62.0	75.4	78.6	81.0	81.6	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
>= 1500	62.3	75.8	79.2	81.7	82.3	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
>= 1200	62.7	76.6	80.1	82.9	83.6	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
>= 1000	63.7	78.6	82.3	85.0	85.9	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
>= 900	63.9	79.2	83.0	86.0	86.9	87.3	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
>= 800	64.0	79.4	83.5	86.6	87.7	88.1	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
>= 700	64.2	79.8	84.0	87.3	88.7	89.2	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
>= 600	64.3	80.4	84.9	88.6	90.1	90.6	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
>= 500	64.3	80.6	85.1	89.1	90.5	91.7	92.9	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
>= 400	64.3	80.6	85.3	89.5	91.8	92.9	94.2	94.9	95.1	95.5	95.6	95.6	95.7	95.7	95.7	95.7
>= 300	64.3	80.6	85.3	89.7	92.1	93.1	94.7	96.0	96.3	97.4	97.7	97.7	97.8	97.8	97.8	97.8
>= 200	64.3	80.6	85.3	89.7	92.1	93.1	94.7	96.2	96.5	97.8	98.4	98.4	98.8	98.9	99.0	99.0
>= 100	64.3	80.6	85.3	89.7	92.1	93.1	94.7	96.2	96.5	97.8	98.6	98.7	99.3	99.4	99.6	99.7
>= 0	64.3	80.6	85.3	89.7	92.1	93.1	94.7	96.2	96.5	97.8	98.6	98.7	99.3	99.4	99.6	100.0

TOTAL NO. OF OBS : 1161

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY
HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)															
		>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.5	46.6	48.0	48.6	48.7	48.7	48.9	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
>=20000	44.9	49.4	50.9	51.6	51.7	51.7	51.9	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1
>=18000	44.9	49.5	51.0	51.7	51.8	51.8	52.0	52.0	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=16000	44.9	49.5	51.0	51.7	51.8	51.8	52.0	52.0	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=14000	45.5	50.3	51.9	52.5	52.6	52.6	52.9	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
>=12000	47.6	53.1	54.7	55.4	55.5	55.5	55.7	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
>=10000	50.7	57.3	58.9	59.7	59.8	59.8	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>= 9000	52.4	59.4	61.2	62.0	62.1	62.1	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>= 8000	53.9	61.5	63.5	64.3	64.4	64.4	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
>= 7000	55.6	63.5	65.5	66.4	66.5	66.5	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9
>= 6000	56.8	65.2	67.2	68.1	68.2	68.2	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>= 5000	58.7	68.0	70.1	71.1	71.1	71.1	71.4	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
>= 4500	59.4	69.2	71.3	72.3	72.4	72.4	72.6	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
>= 4000	60.1	70.6	72.9	73.8	73.9	73.9	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
>= 3500	61.1	71.9	74.2	75.2	75.3	75.3	75.5	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
>= 3000	61.7	72.6	75.0	76.0	76.1	76.1	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
>= 2500	61.9	72.9	75.3	76.4	76.5	76.5	76.7	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>= 2000	62.2	73.2	75.7	76.9	77.1	77.1	77.3	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
>= 1800	62.4	73.6	76.1	77.6	77.8	77.8	78.0	78.0	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
>= 1500	63.0	74.3	77.1	78.6	78.7	78.7	79.0	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>= 1200	63.6	75.3	78.3	79.9	80.3	80.4	80.7	80.7	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
>= 1000	64.3	76.4	79.5	81.3	81.7	81.9	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
>= 900	64.9	77.4	80.7	82.5	83.0	83.2	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
>= 800	65.1	78.3	81.8	83.7	84.3	84.5	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
>= 700	65.1	79.2	83.2	85.5	86.3	86.6	86.8	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
>= 600	65.2	79.6	84.0	86.6	87.8	88.0	88.5	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
>= 500	65.3	79.8	84.2	87.3	89.0	89.3	90.0	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
>= 400	65.3	80.0	84.6	88.0	90.7	91.1	92.2	92.5	92.5	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9
>= 300	65.3	80.1	84.7	88.1	91.0	91.7	93.4	94.0	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
>= 200	65.3	80.1	84.7	88.1	91.0	92.0	94.0	94.7	95.1	96.2	96.6	96.6	96.6	97.0	97.0	97.2	97.2
>= 100	65.3	80.1	84.7	88.1	91.0	92.1	94.1	94.8	95.2	96.9	97.5	97.5	97.7	98.4	98.5	99.0	99.0
>= 0	65.3	80.1	84.7	88.1	91.0	92.1	94.1	94.8	95.2	96.9	97.5	97.5	97.7	98.7	98.8	99.7	100.0

TOTAL NO. OF OBS : 1161

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAY
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)															
		>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1/2	>=5/8	>=1/2	>=5/16	>=1/4	>=0	
UNLIMIT	39.5	45.3	46.7	47.7	48.0	48.0	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.4	
>=20000	42.2	48.7	50.3	51.4	51.7	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.2	52.2	
>=18000	42.3	48.8	50.4	51.5	51.8	51.9	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.3	
>=16000	42.3	48.8	50.5	51.6	51.9	52.0	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	
>=14000	43.1	49.7	51.4	52.5	52.8	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	
>=12000	44.9	52.1	53.9	55.1	55.4	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.9	
>=10000	47.3	55.6	57.5	58.8	59.2	59.3	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.7	
>= 9000	48.5	57.1	59.2	60.5	60.8	61.0	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4	
>= 8000	49.9	59.0	61.2	62.6	62.9	63.0	63.1	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.5	
>= 7000	51.3	60.7	62.9	64.3	64.7	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	
>= 6000	52.5	62.3	64.4	65.9	66.3	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	
>= 5000	54.6	64.9	67.2	68.7	69.1	69.2	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.7	
>= 4500	55.7	66.3	68.7	70.3	70.7	70.8	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3	
>= 4000	56.9	68.1	70.6	72.3	72.7	72.9	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.4	
>= 3500	57.8	69.3	72.0	73.7	74.2	74.3	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	
>= 3000	58.7	70.5	73.3	75.1	75.6	75.7	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.3	
>= 2500	59.5	71.7	74.5	76.4	76.9	77.1	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7	
>= 2000	60.2	72.7	75.6	77.6	78.1	78.3	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9	78.9	
>= 1800	60.5	73.1	76.0	78.0	78.6	78.8	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	
>= 1500	61.1	74.0	77.0	79.1	79.8	80.0	80.3	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	
>= 1200	61.7	75.1	78.3	80.6	81.4	81.7	82.0	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	
>= 1000	62.3	76.5	79.9	82.5	83.4	83.7	84.0	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.4	84.4	
>= 900	62.5	77.1	80.7	83.5	84.5	84.8	85.1	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.5	85.5	
>= 800	62.7	77.7	81.6	84.6	85.7	86.1	86.5	86.7	86.7	86.8	86.9	86.9	86.9	86.9	87.0	87.0	
>= 700	62.8	78.3	82.5	85.9	87.3	87.7	88.4	88.5	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	
>= 600	62.9	78.7	83.3	87.1	88.9	89.4	90.2	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.9	
>= 500	62.9	78.9	83.7	87.9	90.1	90.7	91.9	92.3	92.3	92.6	92.7	92.7	92.7	92.7	92.8	92.8	
>= 400	62.9	79.0	83.9	88.4	91.0	91.7	93.4	94.2	94.3	94.7	94.8	94.8	94.9	94.9	94.9	95.0	
>= 300	62.9	79.1	83.9	88.5	91.4	92.3	94.2	95.4	95.6	96.4	96.6	96.6	96.7	96.7	96.8	96.8	
>= 200	62.9	79.1	83.9	88.6	91.5	92.3	94.5	95.8	96.1	97.3	97.8	97.9	98.1	98.2	98.3	98.4	
>= 100	62.9	79.1	83.9	88.6	91.5	92.4	94.5	95.9	96.1	97.5	98.1	98.2	98.7	98.9	99.3	99.5	
>= 0	62.9	79.1	83.9	88.6	91.5	92.4	94.5	95.9	96.1	97.5	98.1	98.2	98.8	99.0	99.6	100.0	

TOTAL NO. OF OBS : 9289

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56								
N	.4	1.7	2.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	7.7
NNE	.1	1.3	1.0	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	8.7
NE	.0	.8	1.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.9
ENE	.2	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.8
E	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.6
ESE	.4	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.9
SE	.2	1.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.5
SSE	.6	1.8	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	6.5
S	1.7	7.1	4.9	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.7	6.5
SSW	.7	5.4	3.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.2
SW	1.1	5.0	3.4	1.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	7.2
WSW	.4	3.9	3.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	7.1
W	1.3	3.2	4.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.7
WNW	.4	2.5	3.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	7.2
W	.7	2.5	2.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	6.7
WNW	.3	1.1	1.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0
ALL	8.5	39.3	34.4	10.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.4

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 1		1 - 3	4 - 6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL			MEAN
DIR.							22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED	
N		.7	3.0	2.5	1.1	.0	.0	.0	.0	.0	.0	.0	7.3	7.0	
NNE		.0	.6	1.8	1.3	.2	.0	.0	.0	.0	.0	.0	3.9	5.9	
NE		.3	1.1	2.0	.6	.0	.0	.0	.0	.0	.0	.0	3.9	7.9	
ENE		.2	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.4	5.8	
E		.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0	
ESE		.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.3	
SE		.1	1.0	.6	.3	.0	.0	.0	.0	.0	.0	.0	1.9	7.0	
SSE		1.0	2.2	1.2	.3	.1	.1	.0	.0	.0	.0	.0	4.8	6.3	
S		1.2	8.3	4.0	.8	.1	.0	.0	.0	.0	.0	.0	14.5	6.3	
SSW		.6	3.6	2.8	.7	.0	.0	.0	.0	.0	.0	.0	7.7	6.5	
SW		1.0	3.7	3.3	1.2	.0	.0	.0	.0	.0	.0	.0	9.2	6.8	
WSW		.6	3.9	1.8	.8	.0	.0	.0	.0	.0	.0	.0	7.1	6.5	
W		1.3	4.6	3.3	.5	.1	.0	.0	.0	.0	.0	.0	9.8	6.2	
WNW		1.1	2.4	1.9	.4	.0	.0	.0	.0	.0	.0	.0	5.7	6.1	
NW		.9	2.6	2.8	.3	.0	.0	.0	.0	.0	.0	.0	6.6	6.3	
NNW		.4	2.4	1.6	.3	.0	.0	.0	.0	.0	.0	.0	4.6	6.5	
VAR		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	.0	
ALL		9.5	40.7	30.4	8.5	.4	.1	.0	.0	.0	.0	.0	100.0	6.0	

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : C700 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.														%	WIND
N	.6	1.7	4.4	2.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	9.4	9.0
NNE	.4	1.6	3.0	1.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.0	8.6
NE	.3	1.2	2.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.6
ENE	.3	1.0	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.1
E	.3	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.8
ESE	.0	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.8
SE	.4	1.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.3
SSE	.9	1.1	1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.6
S	.5	4.4	5.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	7.3
SSW	1.0	2.5	3.4	1.5	.3	.0	.0	.0	.1	.0	.0	.0	.0	8.7	8.1
SW	1.3	2.0	4.0	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	8.8	7.6
WSW	.4	2.4	3.3	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.7	8.0
W	.4	1.8	3.9	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	8.3
WNW	.5	1.8	2.5	1.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.8	8.5
NW	.4	1.4	3.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	8.4
NNW	.4	1.6	2.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	8.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	.0
ALL	8.2	26.2	42.0	18.3	1.1	.0	.0	.0	.1	.0	.0	.0	.0	100.0	7.7

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : JUN
 CLASS : ALL WEATHER HOUR : 1000 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT.		1	-	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL		MEAN
DIR.																	%	SPEED
N		.3		.5		3.5		2.0		.3		.0		.0		.0	6.6	9.7
NNE		.2		.9		2.5		2.1		.4		.0		.0		.0	6.1	10.2
NE		.2		1.2		2.4		1.7		.0		.1		.0		.0	5.5	9.5
ENE		.1		.7		1.8		.8		.1		.0		.0		.0	3.4	9.0
E		.6		.7		1.2		1.1		.0		.0		.0		.0	3.6	7.7
ESE		.3		1.1		.7		.3		.0		.0		.0		.0	2.4	6.7
SE		.4		2.0		4.0		1.3		.2		.0		.0		.0	7.9	8.4
SSE		.2		1.6		6.1		2.5		.1		.0		.0		.0	10.4	8.9
S		.3		2.0		3.9		3.0		.2		.0		.0		.0	9.4	9.2
SSW		.2		.7		2.1		1.4		.6		.3		.0		.0	5.3	11.3
SW		.2		1.3		2.4		3.3		.3		.0		.0		.0	7.5	10.4
WSW		.1		.7		3.1		2.3		.2		.0		.0		.0	6.3	9.9
W		.0		.9		2.0		2.9		.4		.0		.0		.0	6.1	10.6
WNW		.1		.6		2.8		3.9		.5		.1		.0		.0	8.0	11.2
NW		.3		.8		2.6		3.3		.1		.1		.0		.0	7.2	10.2
NNW		.2		.7		1.4		1.5		.3		.0		.0		.0	4.0	10.0
VAR		.0		.0		.0		.0		.0		.0		.0		.0	.0	.0
CLM		.0		.0		.0		.0		.0		.0		.0		.0	.4	.0
ALL		3.3		16.5		42.5		33.2		3.5		.5		.0		.0	100.0	9.7

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	-	31	4	-	61	7-101	11-161	17-211	SPEED (KNOTS)					TOTAL		MEAN
DIR.		1	-	31	4	-	61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	%	WIND
																		SPEED
N		.1		.4				2.2	2.0	.1	.1	.0	.0	.0	.0	.0	4.9	10.2
NNE		.1		.3				1.5	1.3	.4	.3	.0	.0	.0	.0	.0	3.9	12.2
NE		.0		.4				1.5	1.7	.3	.0	.0	.0	.0	.0	.0	3.8	11.2
ENE		.0		.8				1.5	1.1	.1	.0	.0	.0	.0	.0	.0	3.4	9.5
E		.0		.9				.5	1.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.9
ESE		.1		.5				.7	.7	.0	.0	.0	.0	.0	.0	.0	2.0	8.7
SE		.3		.8				2.2	3.7	.5	.1	.0	.0	.0	.0	.0	7.6	11.0
SSE		.0		1.2				6.0	9.9	.7	.0	.0	.0	.0	.0	.0	17.8	11.3
S		.1		.9				4.0	6.5	.4	.2	.0	.0	.0	.0	.0	11.9	11.2
SSW		.2		.7				1.1	3.8	1.1	.2	.0	.0	.0	.0	.0	7.0	12.5
SW		.0		.5				1.4	4.0	.6	.4	.0	.0	.0	.0	.0	7.0	13.0
WSW		.0		.4				1.1	3.1	.6	.0	.0	.0	.0	.0	.0	5.3	11.9
W		.0		.4				1.8	3.4	.3	.1	.0	.0	.0	.0	.0	6.1	11.8
WNW		.0		.5				1.8	4.6	.6	.0	.0	.0	.0	.0	.0	7.5	11.9
NW		.1		.5				1.7	3.2	.4	.0	.0	.0	.0	.0	.0	5.9	11.7
NNW		.0		.2				1.4	1.9	.0	.0	.0	.0	.0	.0	.0	3.5	11.2
VAR		.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM		.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
ALL		.9		9.5				30.4	51.9	6.0	1.3	.0	.0	.0	.0	.0	100.0	11.4

TOTAL NO. OF OBS : 1139

NOTES : * = PERCENT < .05

1 - SURFACE WINDS

Q14765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	1 - 31	4	- 61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	TOTAL	%	MEAN
DIR.		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	WIND
SPEED (KNOTS)																	
N	.0	.4	1.1	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	9.8	
NNE	.0	.3	1.0	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	12.4	
NE	.2	.4	2.5	1.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	10.5	
ENE	.0	.1	1.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	10.8	
E	.0	.5	1.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.9	
ESE	.1	.2	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.8	
SE	.1	.9	2.6	2.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	10.3	
SSE	.1	.5	5.7	6.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7	11.1	
S	.1	1.2	5.3	9.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	16.7	11.4	
SSW	.0	.3	1.4	6.1	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	9.0	13.5	
SW	.0	.1	2.9	7.5	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	12.0	13.1	
WSW	.0	.2	1.2	3.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.9	12.9	
W	.0	.1	1.7	1.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8	11.5	
WNW	.1	.4	1.8	3.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	12.4	
NW	.0	.3	1.7	3.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	11.9	
NNW	.0	.3	1.7	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	10.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
ALL	.6	6.0	33.4	52.0	7.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	100.0	11.7	

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 11 - 31		4 - 61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	TOTAL	MEAN	
DIR.	SPEED (KNOTS)												%	WIND
													SPEED	
N	.0	.3	1.6	1.0	.0	.0	.0	.0	.0	.0	.0	2.8	9.8	
NNE	.2	.2	1.9	1.4	.2	.0	.0	.0	.0	.0	.0	3.9	10.3	
NE	.4	.3	2.3	.7	.2	.0	.0	.0	.0	.0	.0	3.8	8.7	
ENE	.1	.4	1.6	.6	.0	.0	.0	.0	.0	.0	.0	2.6	9.0	
E	.2	.3	1.1	.2	.0	.0	.0	.0	.0	.0	.0	1.8	7.9	
ESE	.1	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.3	6.7	
SE	.2	.9	1.8	.4	.0	.0	.0	.0	.0	.0	.0	3.2	7.4	
SSE	.4	2.5	6.0	1.3	.0	.0	.0	.0	.0	.0	.0	10.1	8.0	
S	.5	3.7	12.5	3.8	.2	.0	.0	.0	.0	.0	.0	20.6	8.6	
SSW	.1	1.6	7.4	4.0	.0	.1	.0	.0	.0	.0	.0	13.1	9.4	
SW	.1	1.3	7.7	4.4	.3	.0	.0	.0	.0	.0	.0	13.8	9.8	
WSW	.0	.6	3.9	2.3	.0	.0	.0	.0	.0	.0	.0	6.8	9.7	
W	.1	.5	2.2	.4	.0	.0	.0	.0	.0	.0	.0	3.2	8.3	
WNW	.1	1.1	3.0	1.8	.1	.0	.0	.0	.0	.0	.0	6.1	9.2	
NW	.1	.5	1.8	1.1	.2	.0	.0	.0	.0	.0	.0	3.6	9.8	
NNW	.3	.7	1.0	.4	.1	.1	.0	.0	.0	.0	.0	2.5	8.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	
ALL	2.6	15.3	56.0	23.8	1.1	.2	.0	.0	.0	.0	.0	100.0	8.9	

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.		SPEED (KNOTS)																TOTAL		MEAN							
16	PT.	1	1	1	3	4	6	7	10	11	16	17	21	22	27	28	33	34	40	41	47	48	55	>=56	%	SPEED	
N		.1			1.1			2.3		1.0		.1		.0		.0		.0		.0		.0		.0	4.5		8.8
NNE		.2			1.3			2.0		1.1		.1		.0		.0		.0		.0		.0		.0	4.6		8.5
NE		.0			1.0			.6		.5		.1		.0		.0		.0		.0		.0		.0	2.2		8.6
ENE		.1			1.0			.8		.3		.0		.0		.0		.0		.0		.0		.0	2.1		7.3
E		.2			.4			.3		.0		.0		.0		.0		.0		.0		.0		.0	.9		5.1
ESE		.3			.4			.5		.1		.0		.0		.0		.0		.0		.0		.0	1.2		6.6
SE		.2			1.6			.4		.1		.0		.0		.0		.0		.0		.0		.0	2.2		5.5
SSE		.4			2.1			2.2		.3		.1		.0		.0		.0		.0		.0		.0	5.0		6.9
S		1.3			7.5			7.5		1.8		.0		.0		.0		.0		.0		.0		.0	18.2		6.9
SSW		1.1			4.8			4.8		1.8		.1		.0		.0		.0		.0		.0		.0	12.6		7.4
SW		1.0			5.4			5.7		1.7		.1		.0		.0		.0		.0		.0		.0	13.8		7.2
WSW		.6			2.8			4.6		1.3		.1		.0		.0		.0		.0		.0		.0	9.5		7.8
W		.3			1.8			4.0		.8		.0		.0		.0		.0		.0		.0		.0	6.9		7.8
WNW		.3			2.5			2.3		.9		.1		.0		.0		.0		.0		.0		.0	6.1		7.6
NW		.1			1.9			2.0		.6		.0		.0		.0		.0		.0		.0		.0	4.6		7.6
NNW		.1			.7			1.3		.5		.1		.0		.0		.0		.0		.0		.0	2.7		8.4
VAR		.0			.0			.0		.0		.0		.0		.0		.0		.0		.0		.0	.0		.0
CLM		.0			.0			.0		.0		.0		.0		.0		.0		.0		.0		.0	2.8		.0
ALL		6.0			36.3			41.4		12.7		.8		.0		.0		.0		.0		.0		.0	100.0		7.2

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. 1		1	1	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL		MEAN
DIR.		1	1	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND
N								2.5	1.4	.1	.0*	.0	.0	.0	.0	.0	5.4	8.8
NNE				.3	1.1			1.8	1.5	.3	.0*	.0	.0	.0	.0	.0	4.5	9.9
NE				.2	.8			1.8	1.1	.1	.0*	.0	.0	.0	.0	.0	4.0	9.3
ENE				.1	.7			1.0	.5	.0*	.0	.0	.0	.0	.0	.0	2.4	8.3
E				.2	.5			.7	.4	.0	.0	.0	.0	.0	.0	.0	1.7	7.7
ESE				.2	.5			.5	.2	.0*	.0	.0	.0	.0	.0	.0	1.4	7.2
SE				.2	1.2			1.6	1.0	.1	.0*	.0	.0	.0	.0	.0	4.2	8.6
SSE				.4	1.6			3.8	2.7	.2	.0*	.0	.0	.0	.0	.0	8.8	9.2
S				.7	4.4			6.0	3.4	.2	.0*	.0	.0	.0	.0	.0	14.7	8.4
SSW				.5	2.4			3.3	2.5	.4	.1	.0	.0*	.0	.0	.0	9.1	9.1
SW				.6	2.4			3.9	3.1	.4	.1	.0	.0	.0	.0	.0	10.4	9.3
WSW				.3	1.9			2.8	2.0	.2	.0*	.0	.0	.0	.0	.0	7.2	8.9
W				.4	1.7			2.9	1.5	.1	.0*	.0	.0	.0	.0	.0	6.7	8.5
WNW				.3	1.5			2.4	2.2	.3	.0*	.0	.0	.0	.0	.0	6.7	9.4
NW				.3	1.3			2.3	1.7	.1	.0*	.0	.0	.0	.0	.0	5.8	9.0
NNW				.2	.9			1.5	1.0	.1	.0*	.0	.0	.0	.0	.0	3.8	8.8
VAR				.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM				.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0
ALL		4.9	23.7	38.8	26.3			2.6	.4	.0	.0*	.0	.0	.0	.0	.0	100.0	8.6

TOTAL NO. OF OBS : 9118

NOTES : * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	37.7	46.3	48.8	50.1	51.3	51.5	51.8	51.9	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.3
>=20000	39.4	48.4	51.0	52.4	53.6	53.8	54.1	54.2	54.3	54.5	54.5	54.5	54.6	54.6	54.6	54.6
>=18000	39.4	48.4	51.0	52.4	53.6	53.8	54.1	54.2	54.3	54.5	54.5	54.5	54.6	54.6	54.6	54.6
>=16000	39.4	48.4	51.0	52.4	53.6	53.8	54.1	54.2	54.3	54.5	54.5	54.5	54.6	54.6	54.6	54.6
>=14000	40.5	49.8	52.4	53.7	54.9	55.1	55.5	55.6	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9
>=12000	41.4	51.3	54.1	55.4	56.6	56.8	57.2	57.3	57.3	57.5	57.5	57.5	57.6	57.6	57.6	57.6
>=10000	43.4	54.0	57.0	58.9	60.3	60.5	60.8	61.0	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4
>= 9000	44.1	55.1	58.2	60.1	61.6	61.9	62.2	62.5	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9
>= 8000	44.9	56.5	59.8	61.6	63.1	63.4	63.8	64.0	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4
>= 7000	45.9	57.9	61.3	63.1	64.6	64.9	65.3	65.5	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9
>= 6000	46.1	58.3	61.7	63.7	65.2	65.4	65.8	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4
>= 5000	47.4	60.4	63.8	65.9	67.4	67.7	68.1	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 4500	48.2	61.4	64.8	67.0	68.5	68.7	69.2	69.5	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8
>= 4000	48.7	62.2	65.7	67.9	69.5	69.7	70.3	70.5	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9
>= 3500	49.0	62.8	66.3	68.5	70.1	70.3	70.9	71.1	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5
>= 3000	49.7	64.1	67.7	70.2	71.8	72.0	72.6	72.8	72.9	73.1	73.1	73.1	73.2	73.2	73.2	73.2
>= 2500	50.1	64.9	68.6	71.1	72.7	72.9	73.5	73.7	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1
>= 2000	50.8	66.0	69.6	72.2	73.8	74.1	74.6	74.9	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
>= 1800	50.9	66.4	70.1	72.7	74.3	74.5	75.1	75.3	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7
>= 1500	51.2	66.8	70.5	73.1	74.7	75.1	75.6	75.9	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2
>= 1200	51.7	67.7	71.5	74.4	76.0	76.4	76.9	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
>= 1000	52.1	68.7	72.7	75.7	77.6	78.1	78.6	79.0	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3
>= 900	52.2	69.0	73.1	76.2	78.5	79.2	79.7	80.1	80.1	80.3	80.3	80.3	80.4	80.4	80.4	80.4
>= 800	52.4	70.2	74.4	77.6	80.1	80.7	81.4	81.7	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1
>= 700	52.5	71.1	75.7	79.2	81.9	82.5	83.5	83.9	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3
>= 600	52.6	71.8	76.8	81.1	84.1	84.7	85.8	86.3	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
>= 500	52.6	72.3	78.0	83.0	86.4	87.0	88.3	88.8	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.3
>= 400	52.6	72.4	78.1	83.4	87.5	88.2	90.0	90.7	90.7	91.3	91.4	91.4	91.5	91.5	91.5	91.5
>= 300	52.6	72.4	78.4	84.1	88.8	89.6	92.3	93.5	93.6	94.7	95.0	95.0	95.1	95.2	95.2	95.2
>= 200	52.6	72.4	78.4	84.3	89.0	90.1	93.2	94.6	94.7	96.1	96.6	96.6	97.0	97.2	97.3	97.4
>= 100	52.6	72.4	78.4	84.3	89.0	90.1	93.2	94.6	94.7	96.2	97.0	97.0	98.0	98.4	99.0	99.1
>= 0	52.6	72.4	78.4	84.3	89.0	90.1	93.2	94.6	94.7	96.2	97.0	97.0	98.0	98.7	99.6	100.0

TOTAL NO. OF OBS : 1123

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	30.3	40.1	42.2	46.5	47.8	48.3	49.1	49.7	49.9	50.2	50.5	50.6	50.6	50.6	50.6	50.8
>=20000	31.3	41.5	44.0	48.4	49.9	50.3	51.1	51.7	51.9	52.4	52.6	52.7	52.7	52.7	52.7	52.9
>=18000	31.3	41.5	44.0	48.4	49.9	50.3	51.1	51.7	51.9	52.4	52.6	52.7	52.7	52.7	52.7	52.9
>=16000	31.3	41.5	44.0	48.4	49.9	50.3	51.1	51.7	51.9	52.4	52.6	52.7	52.7	52.7	52.7	52.9
>=14000	31.8	42.1	44.7	49.2	50.7	51.1	51.9	52.5	52.8	53.3	53.5	53.6	53.6	53.6	53.6	53.8
>=12000	32.6	43.5	46.0	50.5	52.1	52.6	53.4	54.1	54.3	54.8	55.0	55.1	55.1	55.1	55.1	55.3
>=10000	34.0	45.7	48.7	53.3	55.1	55.7	56.5	57.2	57.4	58.0	58.2	58.3	58.3	58.3	58.3	58.5
>=9000	34.7	46.8	50.0	54.7	56.5	57.1	58.0	58.7	58.9	59.6	59.8	59.9	59.9	59.9	59.9	60.1
>=8000	35.8	48.4	51.7	56.6	58.5	59.0	59.9	60.7	61.0	61.6	61.9	62.0	62.0	62.0	62.0	62.2
>=7000	36.4	49.5	53.0	58.0	59.8	60.5	61.4	62.2	62.4	63.0	63.3	63.4	63.4	63.4	63.4	63.6
>=6000	37.0	50.5	54.0	58.9	60.8	61.4	62.3	63.1	63.4	64.0	64.4	64.5	64.5	64.5	64.5	64.6
>=5000	38.0	51.8	55.6	60.6	62.5	63.2	64.2	65.0	65.3	66.0	66.3	66.4	66.4	66.4	66.4	66.6
>=4500	38.7	52.7	56.5	61.7	63.6	64.3	65.3	66.1	66.3	67.1	67.4	67.5	67.5	67.5	67.5	67.7
>=4000	39.2	53.4	57.5	62.9	64.7	65.4	66.5	67.3	67.6	68.3	68.7	68.7	68.7	68.7	68.7	68.9
>=3500	39.9	54.3	58.4	63.8	65.8	66.5	67.6	68.4	68.7	69.4	69.7	69.8	69.8	69.8	69.8	70.0
>=3000	40.2	54.8	58.9	64.5	66.5	67.3	68.5	69.3	69.5	70.3	70.6	70.7	70.7	70.7	70.7	70.9
>=2500	40.5	55.4	59.6	65.3	67.3	68.1	69.3	70.1	70.3	71.1	71.4	71.5	71.5	71.5	71.5	71.7
>=2000	40.9	56.0	60.3	66.2	68.2	69.0	70.3	71.1	71.3	72.0	72.4	72.5	72.5	72.5	72.5	72.7
>=1800	40.9	56.1	60.5	66.3	68.4	69.2	70.4	71.2	71.5	72.2	72.6	72.7	72.7	72.7	72.7	72.8
>=1500	41.1	56.6	61.1	67.1	69.2	70.0	71.2	72.0	72.3	73.0	73.4	73.5	73.5	73.5	73.5	73.6
>=1200	41.7	58.1	62.6	68.7	70.9	71.7	72.9	73.7	74.0	74.8	75.2	75.2	75.2	75.2	75.2	75.4
>=1000	41.7	58.5	63.3	69.6	71.8	72.6	73.9	74.7	75.0	75.8	76.1	76.2	76.2	76.2	76.2	76.4
>=900	41.9	58.9	63.9	70.3	72.4	73.2	74.6	75.4	75.7	76.5	76.8	76.9	76.9	76.9	76.9	77.1
>=800	41.9	59.4	64.6	71.4	74.0	74.9	76.3	77.1	77.4	78.2	78.5	78.6	78.6	78.6	78.6	78.8
>=700	42.0	60.3	65.8	73.2	76.2	77.1	79.0	79.8	80.1	80.9	81.3	81.4	81.4	81.4	81.4	81.6
>=600	42.0	60.6	67.0	74.9	78.3	79.6	81.7	82.5	82.7	83.9	84.3	84.4	84.4	84.4	84.4	84.6
>=500	42.0	61.2	67.9	76.2	80.1	81.6	84.2	85.1	85.4	86.6	87.1	87.2	87.2	87.2	87.2	87.4
>=400	42.1	61.4	68.3	76.9	81.6	83.3	86.7	87.8	88.1	89.5	89.9	90.0	90.0	90.0	90.0	90.2
>=300	42.1	61.4	68.4	77.3	82.3	84.1	87.9	89.4	89.7	92.2	92.9	93.0	93.0	93.0	93.0	93.1
>=200	42.1	61.4	68.4	77.4	82.4	84.3	88.4	90.6	91.0	94.4	95.9	96.0	96.0	96.0	96.0	96.4
>=100	42.1	61.4	68.4	77.4	82.4	84.3	88.4	90.6	91.0	94.7	96.6	96.7	97.2	97.2	98.1	98.6
>=0	42.1	61.4	68.4	77.4	82.4	84.3	88.4	90.6	91.0	94.7	96.6	96.7	97.4	97.4	98.8	100.0

TOTAL NO. OF OBS : 1123

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUN
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	32.7	43.3	46.6	49.1	50.5	51.0	51.5	51.6	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9
>=20000	35.1	46.7	50.2	52.8	54.3	54.7	55.0	55.3	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8
>=18000	35.1	46.7	50.2	52.8	54.3	54.7	55.0	55.3	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8
>=16000	35.1	46.8	50.3	52.8	54.4	54.8	55.1	55.3	55.4	55.7	55.8	55.8	55.9	55.9	55.9	55.9
>=14000	35.8	47.6	51.1	53.6	55.2	55.6	55.9	56.1	56.2	56.5	56.6	56.6	56.7	56.7	56.7	56.7
>=12000	36.7	48.9	52.5	55.1	56.6	57.0	57.3	57.6	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
>=10000	38.4	51.7	55.8	58.5	60.3	60.8	61.0	61.4	61.5	61.7	61.8	61.8	61.9	61.9	61.9	61.9
>= 9000	39.6	53.5	57.7	60.5	62.4	62.8	63.1	63.4	63.5	63.9	64.0	64.0	64.1	64.1	64.1	64.1
>= 8000	40.7	55.1	59.3	62.3	64.2	64.7	65.1	65.5	65.6	66.0	66.1	66.1	66.2	66.2	66.2	66.2
>= 7000	41.2	55.8	60.1	63.0	64.9	65.4	65.8	66.2	66.3	66.7	66.8	66.8	66.9	66.9	66.9	66.9
>= 6000	41.4	56.0	60.4	63.3	65.3	65.7	66.4	66.7	66.8	67.3	67.3	67.3	67.4	67.4	67.4	67.4
>= 5000	41.6	56.4	61.0	64.1	66.1	66.5	67.3	67.8	67.9	68.3	68.4	68.4	68.5	68.5	68.5	68.5
>= 4500	41.8	56.8	61.4	64.4	66.5	66.9	67.7	68.1	68.2	68.7	68.8	68.8	68.9	68.9	68.9	68.9
>= 4000	42.3	57.5	62.3	65.4	67.4	67.9	68.9	69.3	69.4	69.9	70.0	70.0	70.1	70.1	70.1	70.1
>= 3500	42.8	58.1	62.9	66.0	68.1	68.5	69.5	69.9	70.0	70.6	70.6	70.6	70.7	70.7	70.7	70.7
>= 3000	43.3	59.0	63.8	67.0	69.0	69.5	70.6	71.0	71.1	71.6	71.7	71.7	71.8	71.8	71.8	71.8
>= 2500	43.6	59.6	64.6	67.9	69.9	70.4	71.4	71.9	72.0	72.5	72.6	72.6	72.7	72.7	72.7	72.7
>= 2000	43.9	60.1	65.0	68.3	70.4	70.8	72.0	72.4	72.5	73.0	73.1	73.1	73.2	73.2	73.2	73.2
>= 1800	44.0	60.7	65.7	69.0	71.0	71.4	72.6	73.0	73.1	73.7	73.8	73.8	73.8	73.8	73.8	73.8
>= 1500	44.6	61.4	66.4	69.9	72.1	72.5	73.8	74.3	74.4	74.9	75.0	75.0	75.1	75.1	75.1	75.1
>= 1200	45.6	62.8	68.0	71.7	73.9	74.5	75.9	76.3	76.4	77.0	77.0	77.0	77.1	77.1	77.1	77.1
>= 1000	45.8	63.8	69.1	73.0	75.5	76.2	77.6	78.0	78.1	78.7	78.8	78.8	78.9	78.9	78.9	78.9
>= 900	46.4	64.9	70.3	74.6	77.3	78.0	79.4	79.9	80.0	80.6	80.7	80.7	80.8	80.8	80.8	80.8
>= 800	46.6	65.8	71.4	75.8	78.6	79.6	81.1	81.6	81.7	82.3	82.4	82.4	82.5	82.5	82.5	82.5
>= 700	46.7	66.7	72.8	77.5	80.6	81.7	83.2	83.6	83.7	84.3	84.4	84.4	84.5	84.5	84.5	84.5
>= 600	46.7	67.1	73.5	78.9	82.7	84.0	86.0	86.8	86.9	87.7	87.8	87.8	87.9	87.9	87.9	87.9
>= 500	46.8	67.4	73.9	79.9	84.3	85.8	88.3	89.3	89.4	90.2	90.3	90.3	90.4	90.4	90.4	90.4
>= 400	46.8	67.4	74.0	80.3	85.3	87.0	90.4	92.0	92.1	93.1	93.4	93.4	93.5	93.5	93.5	93.5
>= 300	46.8	67.4	74.0	80.5	85.9	87.9	91.7	94.0	94.0	95.9	96.7	96.7	97.1	97.1	97.1	97.1
>= 200	46.8	67.4	74.0	80.5	85.9	87.9	91.7	94.1	94.2	96.3	97.3	97.3	98.1	98.2	98.4	98.6
>= 100	46.8	67.4	74.0	80.5	85.9	87.9	91.7	94.1	94.2	96.3	97.4	97.4	98.4	98.8	99.5	99.7
>= 0	46.8	67.4	74.0	80.5	85.9	87.9	91.7	94.1	94.2	96.3	97.4	97.4	98.4	98.9	99.6	100.0

TOTAL NO. OF OBS : 1124

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUN
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	39.9	49.4	51.9	53.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
>=20000	42.2	52.7	55.3	57.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=18000	42.2	52.7	55.3	57.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=16000	42.2	52.7	55.3	57.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=14000	42.6	53.3	55.9	58.0	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=12000	43.9	55.0	57.8	59.9	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=10000	45.7	57.4	60.5	62.9	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>=9000	46.5	59.0	62.1	64.6	66.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
>=8000	46.9	59.9	63.3	66.0	67.5	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
>=7000	47.5	61.0	64.5	67.2	68.6	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>=6000	47.9	61.3	65.0	67.8	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
>=5000	48.5	62.2	66.0	68.9	70.3	70.5	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
>=4500	49.2	63.0	66.8	69.7	71.1	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
>=4000	50.0	64.0	67.7	70.7	72.1	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
>=3500	51.6	66.0	69.7	72.6	74.0	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
>=3000	52.4	66.8	70.7	73.6	75.1	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
>=2500	53.3	68.0	72.1	75.1	76.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
>=2000	54.3	69.4	73.7	76.9	78.5	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
>=1800	54.8	70.5	74.7	78.0	79.7	80.1	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
>=1500	56.0	72.5	77.1	80.5	82.2	82.6	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
>=1200	56.6	73.8	78.5	82.1	83.9	84.3	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
>=1000	57.2	75.0	80.0	83.8	85.8	86.4	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
>=900	57.2	75.4	80.5	84.8	87.1	87.8	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
>=800	57.2	76.2	81.3	85.8	88.3	89.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
>=700	57.3	76.7	82.2	87.6	90.6	91.4	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
>=600	57.4	77.0	82.9	89.1	92.4	93.4	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
>=500	57.4	77.1	83.2	89.6	93.0	94.3	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
>=400	57.4	77.1	83.4	90.0	93.7	95.2	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
>=300	57.4	77.2	83.5	90.2	94.0	95.5	97.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>=200	57.4	77.2	83.5	90.2	94.0	95.5	97.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>=100	57.4	77.2	83.5	90.2	94.0	95.5	97.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>=0	57.4	77.2	83.5	90.2	94.0	95.5	97.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NO. OF OBS : 1128

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	38.9	47.6	50.5	52.8	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
>=20000	42.4	51.7	55.1	57.5	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
>=18000	42.5	51.8	55.2	57.6	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
>=16000	42.5	51.9	55.2	57.7	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
>=14000	42.9	52.3	55.7	58.2	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>=12000	43.9	53.7	57.2	59.9	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
>=10000	45.0	55.7	59.4	62.4	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
>= 9000	45.6	56.8	60.6	63.6	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
>= 8000	46.6	58.3	62.2	65.4	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
>= 7000	47.4	59.1	63.2	66.4	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
>= 6000	47.9	59.8	63.9	67.1	68.1	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 5000	50.4	63.0	67.3	70.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>= 4500	51.5	64.2	68.8	72.2	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
>= 4000	53.0	66.0	70.8	74.2	75.2	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>= 3500	54.1	67.3	72.1	75.5	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
>= 3000	56.0	70.1	75.0	78.5	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
>= 2500	57.2	72.2	77.4	81.1	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
>= 2000	58.0	73.4	78.9	82.7	84.1	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
>= 1800	58.1	74.2	79.7	83.6	85.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
>= 1500	58.7	75.9	81.7	85.9	87.4	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
>= 1200	59.4	77.4	83.7	88.0	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
>= 1000	59.6	78.3	85.0	89.7	91.6	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
>= 900	59.7	78.7	85.4	90.2	92.1	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
>= 800	59.8	79.0	85.9	90.8	92.6	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
>= 700	59.9	79.2	86.2	91.2	93.2	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
>= 600	59.9	79.7	86.8	92.2	94.6	95.8	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
>= 500	59.9	79.7	86.9	92.5	95.1	96.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
>= 400	59.9	79.8	87.1	92.7	95.6	97.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
>= 300	59.9	79.8	87.1	92.7	95.8	97.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 200	59.9	79.8	87.1	92.7	95.8	97.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 100	59.9	79.8	87.1	92.7	95.8	97.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 0	59.9	79.8	87.1	92.7	95.8	97.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NO. OF OBS : 1126

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	38.4	40.3	50.9	52.8	53.3	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
>=20000	42.1	53.2	56.2	58.2	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>=18000	42.1	53.2	56.3	58.3	58.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=16000	42.1	53.2	56.3	58.3	58.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=14000	42.6	54.0	57.1	59.1	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
>=12000	44.0	56.1	59.3	61.6	62.1	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
>=10000	45.0	58.9	62.4	64.8	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
>= 9000	46.9	60.4	64.0	66.5	67.0	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
>= 8000	48.0	62.0	65.8	68.4	69.0	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
>= 7000	48.7	62.9	66.9	69.5	70.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
>= 6000	49.9	64.0	68.1	70.8	71.5	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
>= 5000	52.0	67.2	71.5	74.4	75.1	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>= 4500	53.3	69.0	73.9	76.8	77.6	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
>= 4000	54.2	70.9	75.9	79.1	79.9	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>= 3500	55.0	72.1	77.4	80.7	81.5	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
>= 3000	56.4	73.8	79.2	82.6	83.6	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
>= 2500	57.4	75.1	80.6	84.1	85.1	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
>= 2000	58.3	76.4	82.2	85.7	87.0	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
>= 1800	58.6	76.7	82.5	86.2	87.4	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
>= 1500	59.2	78.0	83.9	87.7	88.9	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
>= 1200	59.4	78.5	84.7	88.7	90.2	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
>= 1000	59.6	79.1	85.6	89.7	91.3	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
>= 900	59.6	79.5	86.1	90.4	92.0	92.8	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
>= 800	59.7	80.2	87.0	91.3	93.3	94.1	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
>= 700	59.7	80.4	87.2	91.8	93.8	94.7	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
>= 600	59.7	80.7	87.6	92.4	94.5	95.5	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
>= 500	59.7	80.9	87.9	92.9	95.0	96.1	96.9	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
>= 400	59.7	80.9	88.0	93.0	95.4	96.5	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
>= 300	59.7	80.9	88.0	93.1	95.5	96.7	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>= 200	59.7	80.9	88.0	93.1	95.5	96.7	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>= 100	59.7	80.9	88.0	93.1	95.5	96.7	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>= 0	59.7	80.9	88.0	93.1	95.5	96.7	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NO. OF OBS : 1121

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUN
HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	39.6	48.4	50.4	52.2	52.6	52.8	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3
>=20000	42.8	53.3	56.3	58.4	59.0	59.2	59.4	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7
>=18000	42.8	53.3	56.3	58.4	59.0	59.2	59.4	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7
>=16000	42.9	53.4	56.4	58.5	59.1	59.3	59.4	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8
>=14000	43.3	54.0	57.0	59.1	59.7	59.9	60.1	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4
>=12000	44.1	55.4	58.7	60.8	61.4	61.6	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2
>=10000	46.0	57.9	61.8	63.9	64.7	65.1	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0
>=9000	46.5	58.9	62.9	65.2	66.0	66.4	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4
>=8000	47.6	61.2	65.6	68.3	69.1	69.5	70.1	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6
>=7000	48.5	62.5	67.1	69.8	70.6	71.0	71.6	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
>=6000	49.6	64.4	69.0	71.7	72.5	72.9	73.5	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.0
>=5000	50.5	65.6	70.9	73.7	74.8	75.4	76.0	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5
>=4500	51.3	66.8	72.2	75.2	76.3	76.9	77.5	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1
>=4000	52.2	68.1	73.7	77.0	78.2	79.0	79.6	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1
>=3500	52.8	68.8	74.7	78.2	79.6	80.3	80.9	81.2	81.3	81.5	81.5	81.5	81.5	81.5	81.5
>=3000	53.7	69.9	76.0	79.6	80.9	81.7	82.5	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0
>=2500	54.0	70.4	76.5	80.3	81.7	82.5	83.2	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8
>=2000	54.2	70.8	77.2	81.0	82.4	83.2	83.9	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6
>=1800	54.3	71.0	77.5	81.4	82.9	83.7	84.4	84.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2
>=1500	54.8	71.9	78.3	82.3	83.9	84.7	85.4	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2
>=1200	55.4	72.8	79.5	83.7	85.3	86.2	87.1	87.4	87.5	87.8	87.8	87.8	87.8	87.8	87.8
>=1000	55.6	73.7	80.5	85.0	86.8	87.7	88.5	88.9	89.0	89.3	89.3	89.3	89.3	89.3	89.3
>=900	55.7	73.9	80.8	85.5	87.4	88.3	89.1	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0
>=800	55.9	74.6	81.7	86.5	88.6	89.7	90.6	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5
>=700	55.9	74.7	82.0	87.1	89.7	90.8	92.0	92.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9
>=600	55.9	74.9	82.5	87.8	90.7	92.0	93.4	94.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5
>=500	55.9	75.2	82.8	88.4	91.8	93.4	95.0	95.8	96.0	96.6	96.6	96.6	96.6	96.6	96.6
>=400	55.9	75.2	83.0	88.8	92.4	94.2	96.0	96.9	97.2	98.1	98.1	98.1	98.1	98.1	98.1
>=300	55.9	75.2	83.0	88.9	92.6	94.3	96.4	97.4	97.7	98.8	98.9	98.9	98.9	98.9	98.9
>=200	55.9	75.2	83.0	88.9	92.7	94.4	96.5	97.6	97.8	99.4	99.4	99.6	99.6	99.8	99.8
>=100	55.9	75.2	83.0	88.9	92.7	94.4	96.5	97.6	97.8	99.5	99.5	99.7	99.9	99.9	100.0
>= 0	55.9	75.2	83.0	88.9	92.7	94.4	96.5	97.6	97.8	99.5	99.5	99.7	99.9	99.9	100.0

TOTAL NO. OF OBS : 1112

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUN
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMITED	39.9	50.4	52.0	53.1	54.5	54.5	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0
>=20000	42.0	53.5	55.3	56.5	58.0	58.0	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
>=18000	42.0	53.5	55.3	56.5	58.0	58.0	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
>=16000	42.1	53.7	55.5	56.7	58.2	58.2	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7
>=14000	42.7	54.3	56.1	57.3	58.8	58.8	59.2	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4
>=12000	43.2	55.3	57.1	58.4	59.9	59.9	60.2	60.2	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5
>=10000	45.3	58.0	60.2	61.8	63.4	63.4	63.8	63.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1
>= 9000	46.2	59.5	61.8	63.5	65.0	65.0	65.5	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7
>= 8000	47.3	61.4	63.6	65.6	67.2	67.2	67.6	67.6	67.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9
>= 7000	48.0	62.6	65.0	67.0	68.6	68.6	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3
>= 6000	48.8	63.5	66.0	68.1	69.7	69.7	70.2	70.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5
>= 5000	49.7	64.8	67.5	69.9	71.5	71.5	72.2	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5
>= 4500	50.0	65.3	68.3	70.9	72.5	72.5	73.2	73.2	73.2	73.2	73.5	73.5	73.5	73.5	73.5	73.5
>= 4000	50.7	66.8	69.9	72.5	74.2	74.2	74.9	74.9	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2
>= 3500	51.3	67.8	70.9	73.5	75.2	75.2	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2
>= 3000	51.7	68.8	72.0	74.8	76.7	76.7	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6
>= 2500	52.2	69.8	73.2	76.0	77.9	77.9	78.6	78.6	78.6	78.6	79.0	79.0	79.0	79.0	79.0	79.0
>= 2000	52.6	70.5	73.8	76.7	78.6	78.6	79.4	79.4	79.4	79.4	79.9	79.9	79.9	79.9	79.9	79.9
>= 1800	52.7	70.7	74.1	76.9	78.9	78.9	79.7	79.7	79.7	79.7	80.1	80.1	80.1	80.1	80.1	80.1
>= 1500	53.0	71.1	74.6	77.5	79.6	79.6	80.4	80.4	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8
>= 1200	53.6	72.2	75.9	79.0	81.2	81.2	82.1	82.1	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5
>= 1000	53.9	72.8	76.7	80.3	82.5	82.5	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9
>= 900	53.9	73.6	77.8	81.6	83.9	83.9	84.9	84.9	84.9	84.9	85.4	85.4	85.4	85.4	85.4	85.4
>= 800	54.1	74.6	79.1	83.1	85.4	85.4	86.3	86.3	86.3	86.3	86.8	86.8	86.8	86.8	86.8	86.8
>= 700	54.2	75.7	80.3	84.6	87.3	87.3	88.5	88.5	88.5	88.5	89.0	89.0	89.0	89.0	89.0	89.0
>= 600	54.5	76.1	81.3	86.2	89.2	89.2	90.8	90.8	90.8	90.8	91.6	91.6	91.6	91.6	91.6	91.6
>= 500	54.5	76.6	82.0	87.0	90.1	90.1	92.5	92.5	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0
>= 400	54.5	76.7	82.2	87.9	91.2	91.2	94.3	94.3	94.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8
>= 300	54.5	76.7	82.3	88.2	91.8	91.8	94.9	94.9	94.9	94.9	97.0	97.0	97.0	97.0	97.0	97.0
>= 200	54.5	76.7	82.3	88.2	92.0	92.0	95.4	95.4	95.4	95.4	97.7	97.7	97.7	97.7	97.7	97.7
>= 100	54.5	76.7	82.3	88.3	92.1	92.1	95.5	95.5	95.5	95.5	98.8	98.8	98.8	98.8	98.8	98.8
>= 0	54.5	76.7	82.3	88.3	92.1	92.1	95.5	95.5	95.5	95.5	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NO. OF OBS : 1127

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUN
HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	37.2	46.7	49.2	51.3	52.3	52.5	52.8	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2
>=20000	39.6	50.1	52.9	55.2	56.3	56.5	56.8	56.9	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2
>=18000	39.7	50.1	52.9	55.2	56.3	56.5	56.8	56.9	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2
>=16000	39.7	50.2	53.0	55.3	56.4	56.6	56.8	57.0	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3
>=14000	40.3	50.9	53.7	56.0	57.1	57.3	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
>=12000	41.2	52.4	55.3	57.7	58.8	59.0	59.3	59.5	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.8
>=10000	42.9	54.9	58.2	60.8	62.0	62.3	62.6	62.8	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.2
>=9000	43.8	56.3	59.7	62.3	63.6	63.9	64.3	64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8
>=8000	44.7	57.8	61.4	64.3	65.6	65.9	66.3	66.5	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9
>=7000	45.4	58.9	62.6	65.5	66.8	67.2	67.6	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.2
>=6000	46.1	59.7	63.5	66.4	67.8	68.1	68.5	68.8	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1
>=5000	47.3	61.4	65.4	68.5	69.9	70.3	70.8	71.0	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4
>=4500	48.0	62.4	66.6	69.7	71.1	71.5	72.0	72.3	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7
>=4000	48.8	63.6	67.9	71.2	72.7	73.1	73.6	73.8	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.3
>=3500	49.6	64.6	69.0	72.4	73.9	74.3	74.8	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.5
>=3000	50.4	65.9	70.4	73.8	75.4	75.9	76.4	76.7	76.7	77.0	77.0	77.0	77.1	77.1	77.1	77.1
>=2500	51.0	66.9	71.6	75.1	76.7	77.1	77.7	78.0	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4
>=2000	51.6	67.8	72.6	76.2	77.9	78.4	79.0	79.2	79.3	79.6	79.6	79.6	79.7	79.7	79.7	79.7
>=1800	51.8	68.3	73.1	76.7	78.4	78.9	79.5	79.8	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2
>=1500	52.3	69.3	74.2	78.0	79.7	80.2	80.9	81.1	81.2	81.5	81.5	81.5	81.6	81.6	81.6	81.6
>=1200	52.9	70.4	75.5	79.5	81.4	81.9	82.6	82.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3
>=1000	53.2	71.2	76.6	80.9	82.9	83.5	84.2	84.5	84.6	84.9	84.9	84.9	85.0	85.0	85.0	85.0
>=900	53.3	71.8	77.2	81.7	83.8	84.5	85.3	85.6	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1
>=800	53.4	72.5	78.2	82.8	85.1	85.9	86.7	87.1	87.1	87.4	87.5	87.5	87.5	87.5	87.6	87.6
>=700	53.5	73.1	79.0	84.0	86.7	87.5	88.5	88.9	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4
>=600	53.6	73.5	79.8	85.3	88.3	89.3	90.6	91.2	91.2	91.6	91.7	91.7	91.8	91.8	91.8	91.8
>=500	53.6	73.8	80.3	86.2	89.5	90.7	92.2	92.9	93.0	93.5	93.6	93.6	93.6	93.6	93.6	93.6
>=400	53.6	73.9	80.5	86.6	90.3	91.7	93.6	94.5	94.6	95.3	95.5	95.5	95.5	95.5	95.5	95.6
>=300	53.6	73.9	80.6	86.9	90.8	92.3	94.6	95.7	95.8	97.1	97.4	97.4	97.5	97.5	97.5	97.6
>=200	53.6	73.9	80.6	86.9	90.9	92.4	94.8	96.1	96.3	97.7	98.3	98.3	98.6	98.7	98.7	98.8
>=100	53.6	73.9	80.6	86.9	90.9	92.4	94.8	96.1	96.3	97.8	98.6	98.6	99.0	99.2	99.5	99.6
>=0	53.6	73.9	80.6	86.9	90.9	92.4	94.8	96.1	96.3	97.8	98.6	98.6	99.1	99.3	99.7	100.0

TOTAL NO. OF OBS : 8984

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : JUL
 CLASS : ALL WEATHER HOUR : 0100 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	%	%	%	%	%	%
N	.3	1.6	2.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.2
NNE	.2	.8	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	7.8
NE	.4	.9	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.3
ENE	.0	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.8
E	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.5
ESE	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.0
SE	.1	1.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.1
SSE	.3	2.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.1
S	1.1	6.1	4.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9	6.4
SSW	.8	4.7	2.9	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	6.6
SW	2.0	6.0	6.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.7	6.8
WSW	1.2	5.0	4.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	6.8
W	.8	4.2	4.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	6.4
WNW	.6	2.8	2.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.5
NW	.6	2.8	3.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	6.5
NNW	.4	2.4	1.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	6.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0
ALL	9.2	41.3	35.8	6.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.1

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 0400 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. 1		SPEED (KNOTS)																TOTAL		MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	8	1	2	3	4	5	WIND	SPEED
N	.4	2.0	4.8	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	8.0
NNE	.3	1.4	3.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	7.9
NE	.3	.8	1.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.6
ENE	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.0
E	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.1
ESE	.1	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.2
SE	.0	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.4
SSE	.5	1.0	1.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.0
S	.7	4.1	4.3	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	7.1
SSW	1.0	3.2	3.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	6.9
SW	.9	3.4	4.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	7.5
WSW	.7	2.8	4.8	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	7.4
W	.4	3.2	3.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	7.2
WNW	.7	2.5	3.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	7.2
NW	.3	2.4	3.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	8.0
NNW	.7	3.0	3.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	7.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0
ALL	7.4	32.3	42.3	12.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.9

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	1	2	3	4	5		
N	.4	1.4	3.3	2.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	9.4
NNE	.0	.8	1.8	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	9.1
NE	.2	1.0	2.9	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	9.0
NNE	.2	.5	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.9
E	.0	.9	1.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.0
ESE	.2	1.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.7
SE	.3	2.1	3.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	8.2
SSE	.2	1.8	4.7	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	8.6
S	.5	1.9	4.2	2.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	8.6
SSW	.2	.9	2.0	3.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	10.6
SW	.2	1.6	3.2	4.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	10.2
WSW	.1	1.1	3.8	2.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	9.7
W	.1	1.6	3.4	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	8.8
WNW	.3	.8	3.7	2.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	9.7
NW	.3	.8	3.6	2.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	10.0
NNW	.1	.8	2.3	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	9.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
ALL	3.1	19.0	45.5	30.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9.1

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED			
N	.1			.8			2.7	1.2		.3		.0	.0	.0	.0	.0	5.0	9.6			
NNE	.2			.7			1.3	.7		.1		.0	.0	.0	.0	.0	2.9	8.8			
NE	.0			.5			1.9	.8				.0	.0	.0	.0	.0	3.1	9.2			
ENE	.1			.1			1.4	.2		.0		.0	.0	.0	.0	.0	1.8	8.8			
E	.1			.4			.7	.2		.0		.0	.0	.0	.0	.0	1.4	7.7			
ESE	.1			.7			.9	.3		.0		.0	.0	.0	.0	.0	2.0	7.4			
SE	.3			1.5			3.3	4.6		.3		.0	.0	.0	.0	.0	10.0	10.2			
SSE	.1			1.0			5.5	8.0		.4		.1	.0	.0	.0	.0	15.1	11.1			
S	.1			.5			4.2	6.3		.2		.0	.0	.0	.0	.0	11.2	11.2			
SSW	.0			.5			1.8	4.2		.7		.1	.0	.0	.0	.0	7.2	12.4			
SW	.0			.4			1.9	6.2		.7		.1	.0	.0	.0	.0	9.3	12.5			
WSW	.3			.1			2.8	3.5		.5		.0	.0	.0	.0	.0	7.1	11.3			
W	.1			.7			2.8	3.1		.0		.0	.0	.0	.0	.0	6.7	10.3			
WNW	.0			.3			2.7	3.7		.5		.0	.0	.0	.0	.0	7.2	11.5			
NW	.0			.5			2.7	2.8		.2		.0	.0	.0	.0	.0	6.2	10.6			
MNW	.0			.4			1.2	1.7		.2		.0	.0	.0	.0	.0	3.5	10.5			
VAR	.0			.0			.0	.0		.0		.0	.0	.0	.0	.0	.0	.0			
CLM	.0			.0			.0	.0		.0		.0	.0	.0	.0	.0	.3	.0			
ALL	1.3			9.1			37.8	47.3		4.0		.3	.0	.0	.0	.0	100.0	10.8			

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 1600 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																	
16 PT.	1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.	1															%	WIND SPEED
N	.0		.4				1.2	1.0	.1	.0	.0	.0	.0	.0	.0	2.7	10.2
NNE	.1		.1				.5	.8	.0	.0	.0	.0	.0	.0	.0	1.4	10.5
NE	.1		.5				1.4	.8	.1	.0	.0	.0	.0	.0	.0	2.9	9.6
ENE	.0		.3				.4	.2	.0	.0	.0	.0	.0	.0	.0	.9	7.3
E	.0		.5				.6	.3	.0	.0	.0	.0	.0	.0	.0	1.4	7.9
ESE	.0		.2				1.1	.3	.0	.0	.0	.0	.0	.0	.0	1.5	8.1
SE	.0		.6				2.5	2.9	.3	.0	.0	.0	.0	.0	.0	6.3	10.6
SSE	.1		.4				6.4	6.9	.3	.0	.0	.0	.0	.0	.0	14.1	10.7
S	.3		.5				4.5	9.0	.5	.1	.0	.0	.0	.0	.0	14.9	11.6
SSW	.0		.7				2.8	8.6	2.1	.2	.0	.0	.0	.0	.0	14.3	12.8
SW	.0		.2				3.0	6.7	1.7	.0	.0	.0	.0	.0	.0	11.5	12.9
WSW	.0		.3				1.5	2.9	.3	.0	.0	.0	.0	.0	.0	5.0	11.4
W	.0		.4				2.4	2.6	.0	.0	.0	.0	.0	.0	.0	5.4	10.4
WNW	.0		.7				3.7	4.4	.5	.0	.0	.0	.0	.0	.0	9.3	11.1
NW	.1		.4				1.9	2.0	.1	.0	.0	.0	.0	.0	.0	4.4	10.3
NNW	.1		.3				1.0	1.8	.3	.0	.0	.0	.0	.0	.0	3.4	11.6
VAR	.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
ALL	.7		6.5				34.8	51.0	6.2	.3	.0	.0	.0	.0	.0	100.0	11.3

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	2	1	1	1	1	2	WIND
N	.1	.4	1.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	9.3
NNE	.0	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.3
NE	.1	.8	1.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.0
ENE	.0	.5	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.6
E	.0	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.2
ESE	.1	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.4
SE	.3	1.4	2.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	7.6
SSE	.1	2.8	4.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	7.8
S	.3	3.8	10.5	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.1	8.4
SSW	.3	1.9	10.4	4.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.8	9.5
SW	.3	1.6	9.2	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.1	9.5
WSW	.0	1.5	3.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	8.6
W	.2	1.4	2.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	7.8
WNW	.1	2.1	3.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	7.4
NW	.0	1.7	2.7	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	8.1
NNW	.0	1.0	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0
ALL	1.6	22.3	54.8	19.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.5

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 2200 LST

CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL		MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	1	2	3	4	5	6	7	8
N	.3	.9	1.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7
NNE	.3	.6	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7
NE	.3	.9	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1
ENE	.1	.7	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5
E	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
ESE	.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3
SE	.3	1.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7
SSE	.2	2.3	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8
S	1.1	7.6	6.1	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8
SSW	1.0	6.7	5.2	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8
SW	1.5	5.5	7.6	2.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5
WSW	.8	4.3	4.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
W	.5	3.1	4.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
WNW	.3	3.0	2.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
NW	.2	1.5	1.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
NNW	.1	1.0	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	7.3	40.4	39.3	9.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : JUL
 CLASS : ALL WEATHER HOUR : ALL
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT. 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561																%	WIND
DIR.																	SPEED
N	.4	1.3	2.4	.9	.1	.0	.0	.0	.0	.0	.0	.0	5.2	8.2			
NNE	.2	.7	1.3	.7	.0*	.0	.0	.0	.0	.0	.0	.0	2.8	8.4			
NE	.2	.8	1.4	.6	.0*	.0	.0	.0	.0	.0	.0	.0	3.0	8.2			
ENE	.1	.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.0			
E	.1	.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.7			
ESE	.1	.5	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	1.2	6.7			
SE	.2	1.2	1.8	1.1	.1	.0	.0	.0	.0	.0	.0	.0	4.3	8.7			
SSE	.2	1.6	3.1	2.4	.1	.0*	.0	.0	.0	.0	.0	.0	7.4	9.2			
S	.6	3.8	5.3	3.1	.1	.0*	.0	.0	.0	.0	.0	.0	13.1	8.3			
SSW	.5	2.9	3.8	3.2	.5	.0*	.0	.0	.0	.0	.0	.0	10.9	9.1			
SW	.9	3.0	4.9	3.7	.4	.0*	.0	.0	.0	.0	.0	.0	12.9	8.8			
WSW	.5	2.4	3.6	1.7	.1	.0	.0	.0	.0	.0	.0	.0	8.4	8.2			
W	.4	2.6	3.1	1.3	.0*	.0	.0	.0	.0	.0	.0	.0	7.4	7.7			
WNW	.3	2.0	2.9	1.6	.1	.0	.0	.0	.0	.0	.0	.0	7.0	8.5			
NW	.3	1.7	2.7	1.3	.1	.0*	.0	.0	.0	.0	.0	.0	6.0	8.3			
NNW	.2	1.5	1.9	.8	.1	.0	.0	.0	.0	.0	.0	.0	4.5	8.0			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	.0			
ALL	5.1	26.9	39.8	22.7	1.7	.1	.0	.0	.0	.0	.0	.0	100.0	8.1			

TOTAL NO. OF OBS : 9423

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)														
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	35.6	45.1	47.9	50.0	51.2	51.3	51.9	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.4
>=20000	37.3	47.7	51.0	53.5	54.9	55.0	55.6	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.2
>=18000	37.4	47.8	51.1	53.6	55.1	55.2	55.8	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.3
>=16000	37.4	47.8	51.1	53.6	55.1	55.2	55.8	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.3
>=14000	38.0	48.4	51.7	54.3	55.8	55.9	56.5	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0
>=12000	39.3	50.4	53.9	56.6	58.1	58.1	58.8	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4
>=10000	41.6	54.2	58.2	61.3	63.1	63.2	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5
>=9000	43.0	56.3	60.4	63.5	65.4	65.5	66.2	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8
>=8000	43.9	57.5	61.9	65.0	66.9	67.0	67.9	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.5
>=7000	45.0	58.8	63.2	66.5	68.5	68.6	69.5	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.1
>=6000	45.2	59.4	63.9	67.2	69.3	69.4	70.3	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.9
>=5000	46.0	61.2	65.6	69.1	71.1	71.2	72.1	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.7
>=4500	46.4	61.8	66.2	69.8	72.0	72.1	73.0	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.6
>=4000	46.7	62.2	66.6	70.3	72.5	72.6	73.5	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.1
>=3500	46.8	62.6	67.0	70.8	73.2	73.3	74.2	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.8
>=3000	46.8	62.7	67.1	71.0	73.6	73.7	74.6	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2
>=2500	47.0	62.9	67.4	71.4	74.0	74.1	75.0	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6
>=2000	47.0	63.1	67.6	71.6	74.3	74.4	75.3	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.9
>=1800	47.0	63.2	67.7	71.7	74.4	74.4	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	76.0
>=1500	47.3	64.0	68.7	72.7	75.4	75.5	76.5	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.1
>=1200	48.1	65.9	70.7	74.9	77.6	77.7	78.8	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.4
>=1000	48.5	67.2	72.4	76.9	79.6	79.7	80.8	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.5
>=900	48.9	68.0	73.3	77.8	80.8	80.8	82.0	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.7
>=800	49.0	69.5	75.0	80.2	83.2	83.4	84.7	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.4
>=700	49.2	69.9	75.7	81.3	84.7	84.9	86.2	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.9
>=600	49.3	70.4	76.5	82.4	86.4	86.7	88.3	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.2
>=500	49.3	70.5	76.8	83.2	87.7	88.3	90.0	90.6	90.7	90.9	90.9	90.9	90.9	90.9	91.0
>=400	49.3	70.6	77.1	84.1	89.1	89.8	91.8	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.9
>=300	49.3	70.8	77.6	84.8	89.9	90.8	93.5	94.9	95.0	95.3	95.5	95.6	95.6	95.6	95.7
>=200	49.3	70.8	77.6	84.9	90.1	91.1	94.2	96.1	96.3	97.1	97.5	97.7	97.7	97.7	97.8
>=100	49.3	70.8	77.6	84.9	90.1	91.1	94.2	96.2	96.4	97.1	97.8	98.5	98.6	98.7	98.8
>=0	49.3	70.8	77.6	84.9	90.1	91.1	94.2	96.2	96.4	97.1	98.0	98.8	98.9	99.2	100.0

TOTAL NO. OF OBS : 1154

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL
HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	28.3	37.9	41.0	44.7	46.8	47.4	48.0	48.6	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.4
>=20000	29.6	40.4	43.8	48.0	50.3	50.9	51.7	52.4	52.9	53.0	53.0	53.0	53.1	53.1	53.1	53.1
>=18000	29.6	40.4	43.9	48.1	50.4	51.0	51.8	52.5	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2
>=16000	29.7	40.5	43.9	48.2	50.5	51.1	51.8	52.5	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.3
>=14000	30.3	41.3	44.9	49.1	51.4	52.0	52.8	53.6	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.3
>=12000	31.8	43.0	46.6	51.0	53.3	54.1	54.9	55.7	56.3	56.4	56.4	56.5	56.6	56.6	56.6	56.7
>=10000	34.1	46.8	51.1	55.7	58.2	59.1	60.2	61.0	61.7	61.8	61.9	62.0	62.0	62.0	62.0	62.1
>= 9000	35.0	48.3	52.9	57.5	60.2	61.0	62.3	63.1	63.8	63.9	64.0	64.1	64.1	64.1	64.1	64.1
>= 8000	35.9	49.5	54.2	58.9	61.6	62.4	63.6	64.6	65.3	65.4	65.5	65.6	65.6	65.6	65.6	65.7
>= 7000	36.4	50.4	55.1	59.8	62.6	63.5	64.7	65.7	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.8
>= 6000	37.1	51.2	56.0	60.7	63.5	64.4	65.8	66.7	67.4	67.6	67.7	67.8	67.8	67.8	67.8	67.8
>= 5000	37.9	52.3	57.0	61.7	64.7	65.5	66.9	67.9	68.6	68.7	68.9	69.0	69.0	69.0	69.0	69.0
>= 4500	38.4	53.1	57.9	62.8	65.8	66.6	68.0	69.0	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.2
>= 4000	39.0	53.8	58.6	63.7	66.7	67.6	69.0	70.0	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.1
>= 3500	39.4	54.5	59.4	64.6	67.7	68.5	69.9	70.9	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.1
>= 3000	39.6	54.8	59.7	65.0	68.4	69.2	70.7	71.7	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.8
>= 2500	39.8	55.3	60.2	65.7	69.0	69.9	71.5	72.5	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.6
>= 2000	39.9	55.7	60.6	66.2	69.7	70.6	72.2	73.3	73.9	74.1	74.2	74.3	74.3	74.3	74.3	74.4
>= 1800	40.0	55.9	60.8	66.4	69.9	70.8	72.4	73.4	74.1	74.3	74.4	74.5	74.5	74.5	74.5	74.5
>= 1500	40.2	56.4	61.4	67.1	70.6	71.5	73.1	74.1	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2
>= 1200	40.4	57.0	62.1	68.0	71.5	72.4	74.2	75.2	75.9	76.1	76.2	76.3	76.3	76.3	76.3	76.4
>= 1000	40.7	58.1	63.5	69.7	73.4	74.3	76.4	77.5	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.6
>= 900	40.9	58.6	64.2	70.6	74.4	75.2	77.5	78.5	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.6
>= 800	41.0	59.1	65.0	71.8	75.7	76.6	78.8	79.9	80.7	80.9	81.0	81.1	81.1	81.1	81.1	81.2
>= 700	41.2	59.6	65.9	73.3	77.3	78.2	80.7	81.8	82.7	82.9	83.0	83.1	83.1	83.1	83.1	83.1
>= 600	41.2	60.1	67.2	75.3	80.3	81.3	84.3	85.6	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.1
>= 500	41.2	60.4	67.6	76.4	81.8	83.1	86.6	88.0	89.2	89.3	89.4	89.5	89.5	89.5	89.5	89.6
>= 400	41.2	60.5	67.9	77.0	82.8	84.4	88.6	90.3	91.7	91.9	92.0	92.1	92.1	92.1	92.1	92.5
>= 300	41.2	60.6	68.1	77.6	83.7	85.2	89.6	91.7	93.8	94.0	94.1	94.1	94.5	94.5	94.5	94.6
>= 200	41.2	60.6	68.2	77.7	84.0	85.6	90.1	92.4	95.6	96.0	96.1	96.1	96.9	97.0	97.1	97.2
>= 100	41.2	60.6	68.2	77.7	84.0	85.6	90.1	92.4	95.9	96.5	96.6	96.6	97.8	97.9	98.7	98.8
>= 0	41.2	60.6	68.2	77.7	84.0	85.6	90.1	92.4	96.0	96.6	96.7	96.7	98.0	98.3	99.5	100.0

TOTAL NO. OF OBS : 1163

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	30.3	41.1	43.8	47.3	49.2	49.7	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
>=20000	32.9	44.4	47.4	51.1	53.6	54.1	54.8	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
>=18000	32.9	44.4	47.4	51.2	53.7	54.2	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=16000	32.9	44.4	47.4	51.2	53.7	54.2	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=14000	33.5	45.2	48.3	52.3	54.8	55.3	56.0	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
>=12000	34.6	47.4	50.6	54.7	57.5	58.1	58.7	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=10000	36.3	50.4	54.3	58.8	61.6	62.2	63.0	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>= 9000	36.8	51.4	55.6	60.6	63.6	64.2	65.0	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>= 8000	37.5	52.5	56.9	62.2	65.3	65.9	66.8	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
>= 7000	37.9	53.2	57.7	63.0	66.2	66.8	67.8	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 6000	38.1	53.5	58.0	63.4	66.6	67.3	68.2	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
>= 5000	38.9	54.8	59.3	64.9	68.1	68.9	69.9	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>= 4500	39.1	55.0	59.6	65.1	68.6	69.3	70.4	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
>= 4000	39.3	55.5	60.2	65.7	69.3	70.0	71.1	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>= 3500	39.6	56.2	60.9	66.6	70.1	70.9	71.9	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
>= 3000	40.0	56.8	61.7	67.5	71.1	72.0	73.0	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
>= 2500	40.1	57.1	62.1	68.0	71.7	72.5	73.6	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
>= 2000	40.6	57.7	62.9	68.9	72.6	73.5	74.7	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>= 1800	40.6	57.8	63.0	69.0	72.9	73.7	74.9	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>= 1500	40.6	57.9	63.2	69.4	73.6	74.4	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
>= 1200	41.3	59.1	64.5	70.8	74.9	75.8	77.3	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
>= 1000	41.3	59.9	65.4	72.2	76.6	77.4	78.9	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
>= 900	41.3	60.4	66.0	72.9	77.7	78.6	80.1	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
>= 800	41.5	60.7	66.4	73.9	79.1	80.2	81.8	82.8	82.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4
>= 700	41.7	61.3	67.3	75.4	81.1	82.4	84.2	85.2	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
>= 600	41.8	62.0	68.4	77.3	83.5	85.2	87.3	88.5	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5
>= 500	41.8	62.1	68.7	78.2	84.8	86.7	89.3	90.9	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
>= 400	41.8	62.1	68.7	78.5	85.4	87.3	91.0	93.5	93.7	95.3	95.8	95.8	95.9	95.9	95.9	95.9
>= 300	41.8	62.1	68.7	78.5	85.5	87.6	91.6	94.6	94.8	97.1	97.8	97.8	98.0	98.0	98.0	98.0
>= 200	41.8	62.1	68.7	78.5	85.5	87.6	91.6	94.7	95.0	97.6	98.4	98.4	98.8	98.9	99.0	99.0
>= 100	41.8	62.1	68.7	78.5	85.5	87.6	91.6	94.7	95.0	97.6	98.4	98.4	98.9	99.1	99.7	99.7
>= 0	41.8	62.1	68.7	78.5	85.5	87.6	91.6	94.7	95.0	97.6	98.4	98.4	98.9	99.1	99.7	100.0

TOTAL NO. OF OBS : 1161

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	1/4	>=1/2	>=5/8	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	37.8	49.4	52.6	55.2	56.0	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
>=20000	40.8	53.0	56.5	59.0	59.8	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>=18000	40.8	53.0	56.5	59.0	59.8	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>=16000	41.0	53.2	56.6	59.2	60.0	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
>=14000	41.4	53.7	57.2	59.9	60.7	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
>=12000	42.8	56.1	60.1	63.0	63.8	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
>=10000	44.5	58.6	62.8	66.3	67.4	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>=9000	44.9	59.4	63.6	67.3	68.4	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
>=8000	45.2	60.4	64.9	68.6	69.7	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>=7000	45.4	61.1	65.6	69.3	70.4	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
>=6000	45.8	61.5	66.0	69.8	70.9	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>=5000	46.4	62.6	67.2	71.0	72.2	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>=4500	47.2	63.5	68.2	72.0	73.3	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
>=4000	47.9	64.4	69.2	73.3	74.6	75.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>=3500	48.2	65.0	69.8	74.0	75.2	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
>=3000	48.5	65.4	70.3	74.4	75.8	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
>=2500	49.5	66.9	71.9	76.2	77.7	78.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>=2000	50.4	68.4	73.6	78.3	79.9	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
>=1800	50.7	69.0	74.3	79.0	80.6	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
>=1500	51.4	70.8	76.5	81.9	84.0	85.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
>=1200	51.8	72.1	78.6	84.6	86.8	88.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>=1000	52.0	73.0	79.9	86.5	89.3	90.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
>=900	52.0	73.4	80.5	87.3	90.2	91.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
>=800	52.0	74.0	81.1	88.0	91.3	93.0	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
>=700	52.0	74.1	81.3	88.3	91.9	93.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
>=600	52.0	74.5	81.9	89.4	93.1	95.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
>=500	52.0	74.5	82.0	89.7	93.5	95.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
>=400	52.0	74.5	82.0	89.7	93.6	95.6	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>=300	52.0	74.5	82.0	89.7	93.6	95.7	98.1	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>=200	52.0	74.5	82.0	89.7	93.6	95.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>=100	52.0	74.5	82.0	89.7	93.6	95.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
>=0	52.0	74.5	82.0	89.7	93.6	95.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NO. OF OBS : 1167

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL
HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	36.4	45.2	48.3	50.6	51.6	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=20000	41.1	50.9	54.6	57.2	58.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
>=18000	41.1	50.9	54.6	57.2	58.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
>=16000	41.1	50.9	54.6	57.2	58.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
>=14000	41.3	51.1	54.8	57.4	58.7	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=12000	43.2	53.6	57.6	60.4	61.7	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
>=10000	44.9	56.8	61.3	64.6	66.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
>= 9000	45.4	57.7	62.2	65.5	67.2	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
>= 8000	45.8	58.7	63.3	66.6	68.3	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>= 7000	45.9	59.6	64.2	67.5	69.2	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 6000	46.4	60.0	64.7	68.0	69.7	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>= 5000	48.1	62.1	66.9	70.2	72.1	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
>= 4500	49.9	64.9	69.6	73.1	75.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>= 4000	52.2	67.8	72.8	76.3	78.4	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
>= 3500	52.9	69.5	74.7	78.4	80.4	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
>= 3000	54.2	71.1	76.9	80.9	83.1	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
>= 2500	54.8	72.6	78.6	83.1	85.7	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
>= 2000	55.4	73.5	79.7	84.3	87.1	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
>= 1800	55.6	74.1	80.4	85.2	88.3	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>= 1500	56.0	75.3	82.0	87.1	90.4	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
>= 1200	56.2	76.2	83.3	88.7	92.3	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
>= 1000	56.5	76.6	83.8	89.4	93.3	94.3	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
>= 900	56.5	76.8	84.1	90.0	93.9	94.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
>= 800	56.5	77.3	84.7	90.9	95.1	96.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
>= 700	56.5	77.6	85.1	91.3	95.6	96.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
>= 600	56.5	77.7	85.3	91.7	95.9	97.1	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
>= 500	56.5	77.7	85.3	91.7	96.0	97.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>= 400	56.5	77.7	85.3	91.8	96.1	97.3	99.0	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>= 300	56.5	77.7	85.3	91.8	96.1	97.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 200	56.5	77.7	85.3	91.8	96.1	97.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 100	56.5	77.7	85.3	91.8	96.1	97.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= 0	56.5	77.7	85.3	91.8	96.1	97.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1156

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL
HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	1/2	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	38.1	48.3	52.5	55.8	56.9	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
>=20000	42.4	54.1	58.7	62.3	63.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>=18000	42.4	54.1	58.7	62.3	63.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>=16000	42.4	54.1	58.7	62.3	63.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
>=14000	42.9	54.8	59.7	63.5	64.7	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
>=12000	44.5	56.9	62.2	66.1	67.4	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
>=10000	46.5	60.3	66.0	70.2	71.5	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
>=9000	47.3	61.5	67.4	71.6	73.0	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
>=8000	48.1	62.9	69.0	73.4	75.1	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
>=7000	48.8	63.6	69.9	74.5	76.1	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>=6000	49.3	64.3	70.6	75.3	77.0	77.5	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
>=5000	51.0	66.5	72.8	77.7	79.4	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
>=4500	51.6	67.3	73.7	78.7	80.5	81.0	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
>=4000	53.3	70.0	76.6	81.7	83.7	84.2	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
>=3500	53.9	71.2	78.1	83.5	85.5	86.0	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
>=3000	54.2	72.1	79.1	84.8	86.8	87.4	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
>=2500	54.5	73.1	80.3	86.0	88.1	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>=2000	55.0	73.8	81.1	86.8	89.0	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
>=1800	55.2	74.3	81.6	87.4	89.7	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
>=1500	55.8	75.4	82.9	88.7	91.1	91.7	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
>=1200	56.0	76.1	83.9	89.9	92.3	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
>=1000	56.2	76.5	84.3	90.6	93.2	94.0	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
>=900	56.4	76.9	84.8	91.2	93.9	94.7	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
>=800	56.5	77.2	85.3	91.8	94.7	95.6	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
>=700	56.5	77.3	85.4	92.1	95.1	96.0	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
>=600	56.5	77.3	85.5	92.6	95.6	96.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
>=500	56.5	77.4	85.6	92.9	96.1	97.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>=400	56.5	77.4	85.7	93.2	96.9	97.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
>=300	56.5	77.4	85.7	93.2	96.9	97.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
>=200	56.5	77.4	85.7	93.2	96.9	97.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
>=100	56.5	77.4	85.7	93.2	96.9	97.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
>=0	56.5	77.4	85.7	93.2	96.9	97.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NO. OF OBS : 1155

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8
UNLIMITED	37.0	47.7	51.1	54.3	55.8	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
>=20000	40.2	52.4	56.5	60.3	62.1	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>=18000	40.2	52.4	56.5	60.3	62.1	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>=16000	40.2	52.4	56.5	60.3	62.1	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>=14000	40.7	53.1	57.2	61.0	63.0	63.6	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
>=12000	42.4	55.8	60.2	64.3	66.2	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>=10000	44.0	58.8	63.8	68.6	70.8	71.5	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>=9000	44.5	59.5	64.6	69.5	71.7	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>=8000	45.9	61.2	66.5	71.6	73.8	74.6	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>=7000	46.8	62.4	67.7	73.0	75.3	76.1	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>=6000	47.1	63.0	68.4	73.7	76.1	76.9	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
>=5000	48.9	65.4	70.9	76.3	78.7	79.5	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
>=4500	49.4	66.2	71.7	77.4	79.7	80.6	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
>=4000	49.7	67.1	72.8	78.6	81.1	82.2	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
>=3500	50.1	67.6	73.2	79.1	81.8	82.9	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
>=3000	50.2	68.1	73.8	79.9	82.7	83.8	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
>=2500	50.4	68.7	74.4	80.7	83.6	84.8	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
>=2000	51.0	69.7	75.5	81.8	84.9	86.1	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
>=1800	51.2	69.9	75.8	82.2	85.2	86.4	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
>=1500	51.6	70.7	76.6	83.2	86.5	87.7	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
>=1200	52.1	72.3	78.4	85.1	88.6	89.9	90.8	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
>=1000	52.2	72.7	79.0	85.9	89.6	91.0	92.0	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
>=900	52.4	73.2	79.7	86.7	90.6	92.1	93.3	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
>=800	52.5	73.5	80.1	87.1	91.2	92.7	93.9	94.5	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8
>=700	52.6	73.8	80.5	87.8	92.2	93.7	94.9	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
>=600	52.6	74.1	80.8	88.3	93.0	94.4	95.7	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9
>=500	52.6	74.1	81.0	88.7	93.3	95.0	96.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
>=400	52.6	74.1	81.0	88.8	93.6	95.3	97.0	98.2	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8
>=300	52.6	74.1	81.0	88.8	93.7	95.4	97.1	98.5	98.5	99.2	99.5	99.6	99.6	99.6	99.6	99.6
>=200	52.6	74.1	81.0	88.8	93.7	95.4	97.1	98.6	98.6	99.3	99.7	99.7	99.7	99.7	99.7	99.7
>=100	52.6	74.1	81.0	88.8	93.7	95.4	97.1	98.6	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8
>=0	52.6	74.1	81.0	88.8	93.7	95.4	97.1	98.6	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NO. OF OBS : 1150

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL
HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	35.8	46.5	49.3	52.2	53.9	54.1	54.3	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
>=20000	38.3	50.0	53.2	56.5	58.5	58.6	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=18000	38.4	50.2	53.4	56.6	58.6	58.8	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=16000	38.5	50.3	53.5	56.7	58.7	58.9	59.2	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>=14000	38.9	50.9	54.1	57.4	59.4	59.6	59.8	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>=12000	40.3	53.1	56.5	59.8	61.9	62.2	62.4	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
>=10000	42.5	56.6	60.3	64.2	66.4	66.8	67.0	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>=9000	43.1	57.6	61.4	65.4	67.6	68.0	68.2	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>=8000	44.0	58.9	63.0	67.2	69.5	69.9	70.1	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
>=7000	44.6	59.5	63.7	68.1	70.5	70.8	71.1	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
>=6000	45.5	60.7	64.9	69.3	71.7	72.0	72.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
>=5000	46.7	62.5	66.8	71.3	73.7	74.1	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
>=4500	47.0	63.2	67.5	72.2	74.6	75.0	75.2	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>=4000	47.3	64.1	68.4	73.2	75.8	76.2	76.4	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
>=3500	47.8	64.9	69.4	74.4	77.0	77.4	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
>=3000	48.0	65.5	70.0	75.0	77.6	78.0	78.2	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
>=2500	48.1	65.9	70.5	75.5	78.2	78.6	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
>=2000	48.5	66.7	71.3	76.8	79.7	80.1	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
>=1800	48.6	66.9	71.6	77.1	80.1	80.4	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
>=1500	48.9	67.4	72.1	77.7	80.7	81.1	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
>=1200	49.6	68.5	73.3	79.1	82.2	82.6	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
>=1000	50.1	69.7	74.7	80.9	84.3	84.6	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
>=900	50.4	70.9	76.0	82.5	86.1	86.4	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
>=800	50.6	71.4	77.0	83.8	87.7	88.2	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>=700	50.7	72.2	78.0	85.0	89.4	89.9	90.5	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
>=600	50.8	72.8	79.0	87.0	91.9	92.4	93.3	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
>=500	50.8	72.9	79.4	87.8	93.2	93.8	94.8	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
>=400	50.4	73.1	79.7	88.4	94.1	94.8	95.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
>=300	50.8	73.2	80.0	88.8	94.8	95.5	97.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
>=200	50.8	73.2	80.0	88.8	94.9	95.6	97.2	98.4	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
>=100	50.8	73.2	80.0	88.8	94.9	95.6	97.2	98.4	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
>=0	50.8	73.2	80.0	88.8	94.9	95.6	97.2	98.4	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NO. OF OBS : 1158

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : JUL
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	34.9	45.1	48.3	51.2	52.7	53.1	53.5	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
>=20000	37.8	49.1	52.7	56.0	57.6	58.0	58.5	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9
>=18000	37.8	49.1	52.7	56.0	57.7	58.1	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
>=16000	37.9	49.2	52.8	56.1	57.7	58.1	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
>=14000	38.4	49.8	53.5	56.9	58.5	58.9	59.4	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
>=12000	39.9	52.0	55.9	59.5	61.2	61.7	62.2	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=10000	41.8	55.3	59.7	63.7	65.7	66.2	66.8	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
>= 9000	42.5	56.5	61.0	65.1	67.1	67.7	68.3	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>= 8000	43.3	57.7	62.4	66.7	68.8	69.3	69.9	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
>= 7000	43.8	58.6	63.4	67.7	69.9	70.4	71.0	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
>= 6000	44.3	59.2	64.1	68.4	70.6	71.2	71.8	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
>= 5000	45.5	60.9	65.8	70.3	72.5	73.1	73.7	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
>= 4500	46.1	61.9	66.8	71.4	73.7	74.3	74.9	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5
>= 4000	46.9	63.1	68.1	72.8	75.2	75.9	76.6	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>= 3500	47.3	63.9	69.1	73.9	76.4	77.0	77.7	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
>= 3000	47.7	64.5	69.8	74.8	77.4	78.1	78.8	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
>= 2500	48.0	65.3	70.7	75.8	78.5	79.2	79.9	80.2	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
>= 2000	48.5	66.1	71.5	76.8	79.6	80.3	81.1	81.4	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
>= 1800	48.6	66.4	71.9	77.2	80.1	80.8	81.6	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
>= 1500	49.0	67.2	72.9	78.5	81.5	82.3	83.2	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
>= 1200	49.4	68.4	74.3	80.1	83.3	84.1	85.1	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
>= 1000	49.7	69.2	75.4	81.5	84.9	85.8	86.9	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
>= 900	49.8	69.8	76.1	82.4	85.9	86.8	88.0	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
>= 800	50.0	70.3	76.8	83.4	87.2	88.2	89.5	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
>= 700	50.0	70.7	77.4	84.3	88.4	89.4	90.8	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
>= 600	50.1	71.1	78.1	85.5	90.0	91.1	92.7	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
>= 500	50.1	71.2	78.3	86.1	90.8	92.1	94.0	94.8	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
>= 400	50.1	71.2	78.4	86.4	91.4	92.8	95.0	96.1	96.2	96.8	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
>= 300	50.1	71.3	78.5	86.6	91.8	93.2	95.6	97.0	97.1	97.9	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
>= 200	50.1	71.3	78.6	86.7	91.8	93.3	95.8	97.3	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>= 100	50.1	71.3	78.6	86.7	91.8	93.3	95.8	97.3	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
>= 0	50.1	71.3	78.6	86.7	91.8	93.3	95.8	97.3	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NO. OF OBS : 9264

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							
N	.3	2.8	3.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	7.6
NNE	.2	1.0	1.4	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	8.4
NE	.2	.8	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.5
ENE	.3	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.8
E	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.7
ESE	.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.9
SE	.3	.8	.4	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.2
SSE	.2	1.1	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.6
S	1.0	5.5	3.8	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	6.4
SSW	1.3	4.7	2.5	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	6.8
SW	1.5	4.6	3.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	6.4
WSW	1.4	4.6	2.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	5.9
W	1.4	5.1	4.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	6.3
WNW	.3	3.7	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.2
NW	.8	4.3	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	5.7
NNW	.1	1.5	2.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	7.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	.0
ALL	9.4	41.9	31.9	7.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.0

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)																TOTAL		MEAN
16 PT.		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED		WIND				
DIR.																				
N	.3	4.0	4.4	1.0	.3	.0	.0	.0	.0	.0	.0	.0	10.0	7.5						
NNE	.4	.7	1.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	3.5	8.4						
NE	.1	1.0	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.4						
ENE	.0	.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	8.0						
E	.2	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.4						
ESE	.1	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.5						
SE	.1	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.3						
SSE	.3	1.1	.8	.3	.0	.0	.0	.1	.0	.0	.0	.0	2.5	6.9						
S	.8	5.4	3.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	10.2	6.2						
SSW	1.9	4.5	1.6	.8	.2	.0	.0	.0	.0	.0	.0	.0	8.9	5.9						
SW	1.2	4.8	3.1	.8	.0	.0	.1	.0	.0	.0	.0	.0	10.0	6.5						
WSW	1.1	4.4	1.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	7.8	5.9						
W	.8	5.4	3.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.1						
WNW	.4	3.6	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.7	5.9						
NW	1.1	3.5	2.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	7.3	5.9						
NNW	.9	3.4	2.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	7.1	6.1						
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0						
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	.0						
ALL	9.8	42.6	28.7	6.5	.6	.1	.1	.1	.0	.0	.0	.0	100.0	5.7						

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)												TOTAL	MEAN
DIR.		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
N	.5	4.6	6.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	13.6	7.9	
NNE	.4	1.6	2.8	1.3	.0	.0	.0	.0	.0	.0	.0	.0	6.1	8.3	
NE	.2	1.1	1.9	.3	.2	.0	.0	.0	.0	.0	.0	.0	3.7	7.7	
ENE	.4	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.7	
E	.3	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.9	5.5	
ESE	.1	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.4	
SE	.3	.6	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.4	7.1	
SSE	.2	1.3	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.5	
S	.4	3.7	3.9	.6	.1	.0	.0	.0	.0	.0	.0	.0	8.8	6.9	
SSW	.8	2.3	2.6	1.2	.1	.0	.0	.0	.0	.0	.0	.0	7.0	7.6	
SW	1.3	3.9	3.9	1.3	.0	.0	.0	.0	.0	.0	.0	.0	10.4	7.1	
WSW	.6	3.1	2.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	7.1	7.1	
W	.5	3.2	3.5	1.0	.1	.0	.0	.0	.0	.0	.0	.0	8.3	7.1	
WNW	.3	3.2	2.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	6.9	6.8	
NW	.5	3.1	2.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	7.0	7.0	
NNW	.3	2.5	3.3	.9	.1	.0	.0	.0	.0	.0	.0	.0	7.1	7.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	.0	
ALL	7.2	35.8	37.5	12.1	.7	.0	.0	.0	.1	.0	.0	.0	100.0	6.9	

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL		MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	3	2	1	WIND	SPEED			
N	.2	1.6	4.6	2.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	9.0	
NNE	.0	1.4	3.4	1.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	9.2	
NE	.2	1.5	2.7	1.5	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	6.3	10.0	
ENE	.2	1.4	1.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.9	
E	.3	1.3	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.4	
ESE	.3	1.2	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	2.6	8.0	
SE	.3	2.0	2.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	7.9	
SSE	.3	1.2	2.8	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	8.7	
S	.5	1.8	5.1	2.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	8.8	
SSW	.3	.7	2.2	2.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	10.6	
SW	.3	.9	3.3	3.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	9.9	
WSW	.1	1.2	3.1	2.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	9.9	
W	.2	1.2	3.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	9.3	
WNW	.1	1.1	3.0	1.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	9.7	
NW	.3	1.4	2.7	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	9.2	
NNW	.2	1.4	2.7	1.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	9.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	
ALL	3.4	21.2	44.5	26.2	2.6	.1	.1	.0	.0	.0	.0	.2	100.0	.0	.0	.0		9.0	

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%		WIND	
DIR.																SPEED	
N	.0	1.0			2.8	1.2	.1	.0	.0	.0	.0	.0	.0	5.1	9.0		
NNE	.1	.4			2.0	1.5	.0	.0	.0	.0	.0	.0	.0	4.1	9.8		
NE	.2	.7			2.1	1.7	.3	.0	.0	.0	.0	.0	.0	4.9	9.9		
ENE	.1	.8			1.4	.8	.0	.0	.0	.0	.0	.0	.0	3.1	9.0		
E	.3	1.0			1.3	.3	.0	.0	.0	.0	.0	.0	.0	2.9	6.9		
ESE	.0	.2			1.1	.1	.0	.1	.0	.0	.0	.0	.0	1.4	9.2		
SE	.3	1.4			4.1	3.1	.1	.0	.0	.0	.0	.0	.0	9.0	9.6		
SSE	.2	1.5			4.3	5.2	.3	.0	.0	.0	.0	.0	.0	11.6	10.2		
S	.1	1.2			4.2	4.8	.3	.1	.0	.0	.0	.0	.0	10.6	10.7		
SSW	.0	.6			1.1	3.7	1.2	.1	.0	.0	.0	.0	.0	6.7	12.6		
SW	.0	.8			2.3	4.2	.8	.0	.0	.1	.0	.0	.0	8.2	12.0		
WSW	.1	.3			2.2	4.2	.3	.0	.0	.0	.0	.0	.0	7.1	11.7		
W	.0	.9			3.0	2.6	.3	.0	.0	.0	.0	.0	.0	6.9	10.2		
WNW	.2	.8			3.8	3.1	.3	.0	.0	.0	.0	.0	.0	8.2	10.1		
NW	.0	.5			2.5	1.7	.1	.0	.0	.0	.0	.0	.0	4.8	10.1		
NNW	.2	.4			1.8	2.5	.1	.0	.0	.0	.0	.0	.0	5.0	10.5		
VAR	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0		
ALL	1.7	12.6			39.9	41.0	4.1	.3	.0	.1	.0	.0	.0	100.0	10.3		

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : AUG
 CLASS : ALL WEATHER HOUR : 1600 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. 1		1	~	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL		MEAN
DIR.		1									22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED
N		.0		.2				1.2	1.4	.1	.0	.0	.0	.0	.0	.0	2.8	10.8
NNE		.0		.7				1.7	1.4	.3	.0	.0	.0	.0	.0	.0	4.1	10.4
NE		.3		.5				1.7	1.2	.0	.0	.0	.0	.0	.0	.0	3.7	9.3
ENE		.1		.7				1.9	.8	.0	.0	.0	.0	.0	.0	.0	3.5	8.5
E		.2		.7				1.4	.3	.0	.0	.0	.0	.0	.0	.0	2.5	7.4
ESE		.1		.5				.8	.4	.0	.1	.0	.0	.0	.0	.0	2.0	8.8
SE		.0		.6				2.2	1.4	.0	.0	.0	.0	.0	.0	.0	4.2	9.6
SSE		.1		1.6				5.9	4.8	.3	.0	.0	.0	.0	.0	.0	12.6	10.1
S		.2		1.1				6.2	8.0	.8	.0	.0	.0	.0	.0	.0	16.2	11.1
SSW		.0		.3				2.8	6.3	1.0	.2	.0	.0	.0	.0	.0	10.6	12.6
SW		.2		.3				2.5	5.7	.5	.1	.0	.0	.0	.0	.0	9.2	12.1
WSW		.2		.6				1.8	2.5	.1	.0	.0	.0	.0	.0	.0	5.1	10.3
W		.2		.2				2.6	2.7	.1	.0	.0	.0	.0	.0	.0	5.8	10.5
WNW		.0		.7				3.1	3.6	.2	.0	.0	.0	.0	.0	.0	7.6	10.4
NW		.2		.7				2.8	2.5	.1	.0	.0	.0	.0	.0	.0	6.2	9.9
NNW		.0		.5				2.0	1.4	.1	.1	.0	.0	.0	.0	.0	4.1	10.4
VAR		.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM		.0		.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
ALL		1.5		9.8				40.6	44.2	3.4	.4	.0	.0	.0	.0	.0	100.0	10.6

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	TOTAL	MEAN
												%	WIND SPEED
N	.0	.9	1.1	.5	.1	.0	.0	.0	.0	.0	.0	2.6	9.0
NNE	.3	1.4	1.9	.9	.1	.0	.0	.0	.0	.0	.0	4.6	8.0
NE	.0	1.3	1.8	.5	.0	.0	.0	.0	.0	.0	.0	3.6	8.0
ENE	.1	1.0	1.6	.3	.0	.0	.0	.0	.0	.0	.0	3.1	7.6
E	.1	1.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	2.2	6.9
ESE	.1	.4	.5	.3	.1	.0	.0	.0	.0	.0	.0	1.4	8.2
SE	.6	2.0	.5	.3	.0	.0	.0	.0	.0	.0	.0	3.4	5.8
SSE	.3	2.6	4.3	.4	.1	.0	.0	.0	.0	.0	.0	7.7	7.4
S	.7	4.5	8.9	1.9	.0	.0	.0	.0	.0	.0	.0	16.0	7.7
SSW	.4	4.8	9.9	2.4	.1	.0	.0	.0	.0	.0	.0	17.7	8.0
SW	.4	2.6	8.3	2.8	.2	.0	.0	.0	.0	.0	.0	14.3	8.5
WSW	.0	1.6	4.1	1.0	.0	.0	.0	.0	.0	.0	.0	6.7	8.3
W	.3	1.0	2.2	.3	.0	.0	.0	.0	.0	.0	.0	3.7	7.1
WNW	.3	2.0	2.6	.4	.0	.0	.0	.0	.0	.0	.0	5.4	7.0
NW	.1	1.4	2.3	.1	.0	.1	.0	.0	.0	.0	.0	3.9	7.4
NNW	.0	.4	1.2	.6	.1	.0	.0	.0	.0	.0	.0	2.3	9.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0
ALL	3.6	28.9	52.2	13.0	.7	.1	.0	.0	.0	.0	.0	100.0	7.7

TOTAL NO. OF OBS : 1176

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	WIND					
N	.2	2.0	2.0	1.4	.1	.0	.0	.0	.0	.0	.0	.0	5.7	8.2				
NNE	.2	1.1	1.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	3.6	7.9				
NE	.3	1.4	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.0				
ENE	.3	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.5				
E	.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.4				
ESE	.2	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0				
SE	.2	1.4	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	2.7	6.8				
SSE	.6	1.4	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	3.9	6.6				
S	1.0	5.7	5.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	12.7	6.6				
SSW	1.0	4.7	4.8	1.1	.1	.0	.0	.0	.0	.0	.0	.0	11.6	7.0				
SW	1.1	5.5	6.0	1.4	.1	.0	.0	.0	.0	.0	.0	.0	14.1	7.0				
WSW	.6	4.0	4.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.7				
W	.5	4.0	4.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	9.7	6.7				
WNW	.4	2.5	2.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	5.9	6.8				
NW	.4	1.8	1.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	4.8	7.4				
NNW	.3	1.4	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.0				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0				
ALL	7.3	39.7	38.5	9.2	.5	.0	.0	.0	.0	.0	.0	.0	100.0	6.6				

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL		MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	%	%	%	%	%	%	WIND
N	.2	2.1	3.2	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	8.3
NNE	.2	1.0	2.0	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	8.8
NE	.2	1.0	1.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	8.6
NNE	.2	.9	1.0	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.6
E	.2	.7	.6	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.6
ESE	.1	.5	.5	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.9
SE	.3	1.1	1.4	.8	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	8.2
SSE	.2	1.5	2.7	1.6	.1	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	8.8
S	.6	3.6	5.1	2.4	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.0	8.2
SSW	.7	2.8	3.5	2.4	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	8.7
SW	.7	2.9	4.2	2.5	.2	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	8.4
WSW	.5	2.5	2.8	1.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	8.0
W	.5	2.6	3.3	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	7.6
WNW	.3	2.2	2.6	1.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	8.0
NW	.4	2.1	2.4	.9	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	7.7
NNW	.2	1.5	2.2	1.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	8.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0
ALL	5.5	29.0	39.2	19.9	1.6	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7.8

TOTAL NO. OF OBS : 9416

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	34.4	43.9	47.1	49.7	51.0	51.2	52.0	52.2	52.2	52.2	52.3	52.3	52.4	52.4	52.4	52.4
>=20000	36.2	46.7	50.3	52.9	54.4	54.8	55.6	55.8	55.8	55.8	56.0	56.0	56.1	56.1	56.1	56.1
>=18000	36.3	46.8	50.3	53.0	54.5	54.9	55.7	55.9	55.9	55.9	56.1	56.1	56.2	56.2	56.2	56.2
>=16000	36.3	46.8	50.3	53.0	54.5	54.9	55.7	55.9	55.9	55.9	56.1	56.1	56.2	56.2	56.2	56.2
>=14000	37.1	47.7	51.3	54.0	55.5	55.9	56.8	57.0	57.0	57.0	57.2	57.2	57.3	57.3	57.3	57.3
>=12000	38.5	49.9	53.6	56.4	58.0	58.3	59.3	59.4	59.4	59.4	59.6	59.6	59.7	59.7	59.7	59.7
>=10000	40.1	52.4	56.2	59.4	61.1	61.5	62.5	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9
>= 9000	40.6	53.4	57.3	60.7	62.5	62.9	64.0	64.1	64.1	64.1	64.3	64.3	64.4	64.4	64.4	64.4
>= 8000	41.3	54.9	58.8	62.4	64.4	64.8	65.9	66.0	66.0	66.0	66.2	66.2	66.3	66.3	66.3	66.3
>= 7000	42.0	55.9	59.9	63.4	65.4	65.9	67.0	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4
>= 6000	42.4	56.5	60.7	64.2	66.2	66.7	67.9	68.0	68.0	68.0	68.2	68.2	68.3	68.3	68.3	68.3
>= 5000	43.0	58.0	62.1	65.9	68.0	68.5	69.7	69.8	69.8	69.8	70.0	70.0	70.1	70.1	70.1	70.1
>= 4500	43.3	58.4	62.6	66.3	68.5	69.0	70.1	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5
>= 4000	43.8	59.2	63.5	67.2	69.4	69.9	71.2	71.4	71.4	71.4	71.6	71.6	71.7	71.7	71.7	71.7
>= 3500	44.4	60.0	64.4	68.1	70.3	70.9	72.2	72.4	72.4	72.4	72.5	72.5	72.6	72.6	72.6	72.6
>= 3000	44.7	60.6	65.1	68.8	71.1	71.7	73.0	73.1	73.1	73.1	73.3	73.3	73.4	73.4	73.4	73.4
>= 2500	45.1	61.2	65.8	69.5	71.8	72.4	73.7	73.9	73.9	73.9	74.1	74.1	74.2	74.2	74.2	74.2
>= 2000	45.1	62.2	66.8	70.5	72.9	73.5	74.9	75.0	75.0	75.0	75.2	75.2	75.3	75.3	75.3	75.3
>= 1800	45.4	62.8	67.4	71.1	73.6	74.2	75.6	75.7	75.7	75.7	75.9	75.9	76.0	76.0	76.0	76.0
>= 1500	45.7	63.8	68.4	72.2	74.8	75.5	76.9	77.0	77.0	77.0	77.2	77.2	77.3	77.3	77.3	77.3
>= 1200	46.1	64.7	69.6	73.5	76.3	77.0	78.4	78.6	78.6	78.6	78.8	78.8	78.9	78.9	78.9	78.9
>= 1000	46.5	65.5	70.5	74.7	77.6	78.3	79.9	80.1	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3
>= 900	46.8	66.5	72.1	76.7	79.6	80.5	82.2	82.4	82.4	82.4	82.6	82.6	82.7	82.7	82.7	82.7
>= 800	47.1	67.5	73.2	78.3	82.0	82.8	84.9	85.1	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4
>= 700	47.1	68.1	74.1	79.5	83.6	84.5	86.7	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3
>= 600	47.2	68.6	75.1	81.0	85.8	86.8	89.5	89.9	90.0	90.0	90.3	90.3	90.4	90.4	90.4	90.4
>= 500	47.2	68.7	75.4	81.9	87.1	88.4	91.5	92.0	92.2	92.4	92.5	92.5	92.6	92.6	92.6	92.6
>= 400	47.2	68.9	75.6	82.8	88.6	89.9	93.6	94.5	94.6	94.9	95.1	95.1	95.2	95.2	95.2	95.2
>= 300	47.2	69.0	75.7	83.3	89.8	91.2	95.3	96.4	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7
>= 200	47.2	69.0	75.7	83.4	90.1	91.7	95.8	97.0	97.1	98.2	98.5	98.5	98.8	98.8	98.8	98.8
>= 100	47.2	69.0	75.7	83.4	90.1	91.7	95.8	97.1	97.2	98.3	99.0	99.0	99.4	99.5	99.7	99.7
>= 0	47.2	69.0	75.7	83.4	90.1	91.7	95.8	97.1	97.2	98.3	99.0	99.0	99.6	99.7	99.8	100.0

TOTAL NO. OF OBS : 1154

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG
HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	30.2	40.7	43.4	46.7	48.2	48.9	50.0	50.1	50.1	50.6	50.7	50.7	50.7	50.7	50.7	50.8	51.0	51.0
>=20000	32.1	43.5	46.6	50.0	51.6	52.4	53.5	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.5	54.5
>=18000	32.1	43.5	46.7	50.1	51.7	52.4	53.6	53.7	53.7	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.6	54.6
>=16000	32.1	43.5	46.7	50.1	51.7	52.4	53.6	53.7	53.7	54.3	54.4	54.4	54.4	54.4	54.4	54.5	54.7	54.7
>=14000	33.0	44.6	47.8	51.3	52.9	53.6	54.8	54.9	54.9	55.5	55.6	55.6	55.6	55.6	55.6	55.7	55.9	55.9
>=12000	34.3	46.3	49.8	53.5	55.1	55.9	57.0	57.2	57.2	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.2	58.2
>=10000	35.5	49.0	52.6	56.6	58.5	59.4	60.5	60.7	60.8	61.5	61.6	61.6	61.6	61.6	61.6	61.7	61.9	61.9
>=9000	36.2	50.2	53.8	57.8	60.0	60.8	62.1	62.4	62.5	63.2	63.3	63.3	63.3	63.3	63.3	63.4	63.6	63.6
>=8000	37.2	51.5	55.3	59.7	61.9	62.7	64.0	64.3	64.4	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.5	65.5
>=7000	37.7	52.8	56.6	61.1	63.3	64.3	65.6	65.9	66.0	66.8	66.8	66.8	66.8	66.8	66.8	66.9	67.1	67.1
>=6000	38.0	53.1	57.0	61.7	63.9	64.9	66.3	66.6	66.7	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.8	67.8
>=5000	38.6	53.8	57.7	62.5	64.9	65.8	67.3	67.6	67.7	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8
>=4500	38.9	54.4	58.3	63.2	65.6	66.5	68.0	68.3	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.5	69.5
>=4000	39.2	54.9	58.9	63.8	66.2	67.2	68.7	69.1	69.2	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.3	70.3
>=3500	39.5	55.7	59.6	64.9	67.3	68.2	69.8	70.1	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.3	71.3
>=3000	40.3	56.8	60.8	66.0	68.5	69.4	71.0	71.4	71.5	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.6	72.6
>=2500	40.4	57.3	61.3	66.5	69.0	69.9	71.5	71.9	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.9	73.1	73.1
>=2000	40.8	57.8	62.0	67.3	69.8	71.0	72.6	73.1	73.2	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.3	74.3
>=1800	41.0	58.2	62.3	67.6	70.4	71.5	73.1	73.6	73.7	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8
>=1500	41.4	59.2	63.7	69.1	71.8	73.0	74.8	75.4	75.5	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.6	76.6
>=1200	42.2	60.4	65.1	70.6	73.6	74.8	76.6	77.2	77.3	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.4	78.4
>=1000	42.4	61.4	66.3	72.2	75.2	76.4	78.5	79.3	79.3	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.5	80.5
>=900	42.4	61.8	66.9	72.9	76.4	77.6	80.0	80.9	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.9	82.1	82.1
>=800	42.7	62.6	68.0	74.5	78.7	80.0	82.8	83.7	84.0	84.7	84.8	84.8	84.8	84.8	84.8	84.9	85.1	85.1
>=700	42.7	63.2	68.9	75.8	80.5	81.9	85.1	86.0	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.4	87.4
>=600	42.8	63.6	69.6	77.1	82.0	83.6	87.1	88.2	88.5	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.7	89.7
>=500	42.8	63.8	70.2	78.0	83.2	85.2	89.0	90.3	90.7	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.9	91.9
>=400	42.8	63.8	70.4	78.4	84.3	86.6	90.7	92.1	92.5	93.7	93.8	93.8	93.8	93.8	93.8	93.9	94.1	94.1
>=300	42.8	63.8	70.4	78.6	84.7	87.1	91.6	93.7	94.1	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.9	96.0
>=200	42.8	63.8	70.4	78.7	84.9	87.3	92.2	94.5	95.0	96.7	97.2	97.2	97.2	97.2	97.2	97.3	97.5	97.6
>=100	42.8	63.8	70.4	78.7	84.9	87.3	92.2	94.7	95.2	97.1	97.6	97.6	97.6	97.6	97.6	98.2	98.5	98.7
>=0	42.8	63.8	70.4	78.7	84.9	87.3	92.2	94.7	95.2	97.1	97.6	97.6	97.6	97.6	97.6	98.4	99.0	100.0

TOTAL NO. OF OBS : 1167

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	27.6	36.6	40.6	44.2	47.0	47.7	48.9	49.2	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7
>=20000	28.9	38.5	43.2	47.1	50.1	50.8	52.0	52.6	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.2
>=18000	29.0	38.6	43.3	47.2	50.2	50.9	52.1	52.7	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.3
>=16000	29.1	38.7	43.5	47.4	50.4	51.1	52.3	52.9	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.5
>=14000	29.4	39.2	44.0	48.0	51.0	51.7	52.9	53.5	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.1
>=12000	30.5	41.2	46.6	51.0	54.1	54.9	56.1	56.8	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.6
>=10000	32.0	44.1	50.1	55.2	58.5	59.5	61.2	61.9	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.6
>=9000	32.8	45.5	51.7	57.1	60.6	61.6	63.3	64.1	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.9
>=8000	33.7	47.2	53.5	59.0	62.5	63.6	65.5	66.5	66.6	67.2	67.2	67.2	67.2	67.2	67.2	67.3
>=7000	34.1	47.8	54.2	59.9	63.4	64.4	66.4	67.4	67.4	68.0	68.0	68.0	68.0	68.0	68.0	68.1
>=6000	34.5	48.2	55.0	60.7	64.3	65.4	67.4	68.3	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.1
>=5000	34.7	48.9	55.8	61.7	65.4	66.5	68.6	69.5	69.6	70.2	70.2	70.2	70.2	70.2	70.2	70.3
>=4500	34.9	49.1	56.0	62.0	65.8	66.9	69.0	69.9	70.0	70.6	70.6	70.6	70.6	70.6	70.6	70.7
>=4000	35.2	49.7	56.7	63.0	66.9	68.0	70.1	71.0	71.1	71.7	71.7	71.7	71.7	71.7	71.7	71.8
>=3500	35.5	50.1	57.1	63.6	67.7	68.8	70.9	71.8	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.6
>=3000	35.7	50.6	57.8	64.3	68.4	69.7	71.8	72.8	72.9	73.5	73.5	73.5	73.5	73.5	73.5	73.5
>=2500	35.9	50.9	58.2	64.8	69.0	70.3	72.4	73.4	73.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1
>=2000	36.2	51.5	58.8	65.4	69.7	71.0	73.2	74.1	74.2	74.8	74.8	74.9	74.9	74.9	74.9	75.0
>=1800	36.3	51.8	59.2	65.8	70.3	71.6	73.8	74.7	74.8	75.4	75.4	75.5	75.5	75.5	75.5	75.6
>=1500	36.5	52.3	59.9	66.7	71.1	72.6	74.8	75.9	75.9	76.5	76.5	76.6	76.6	76.6	76.6	76.7
>=1200	37.0	53.6	61.6	68.6	73.2	74.7	77.1	78.2	78.3	78.9	78.9	79.0	79.0	79.0	79.0	79.0
>=1000	37.2	54.5	62.7	69.9	74.8	76.4	79.0	80.2	80.3	81.0	81.0	81.1	81.1	81.1	81.1	81.2
>=900	37.4	55.1	63.7	71.0	76.2	77.7	80.6	82.0	82.0	82.8	82.8	82.9	82.9	82.9	82.9	83.0
>=800	37.5	55.5	64.5	72.1	77.5	79.2	82.4	83.9	84.0	84.9	84.9	85.0	85.0	85.0	85.0	85.1
>=700	37.5	55.8	65.1	73.0	78.8	80.8	84.7	86.9	87.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1
>=600	37.5	55.9	65.4	74.1	80.2	82.3	86.4	88.9	89.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3
>=500	37.5	56.2	65.8	74.7	81.6	83.9	88.6	91.5	91.7	93.1	93.2	93.2	93.2	93.2	93.2	93.3
>=400	37.5	56.3	66.1	75.2	82.0	84.4	89.3	92.6	92.8	94.5	94.5	94.9	94.9	94.9	94.9	95.0
>=300	37.5	56.4	66.2	75.3	82.4	85.0	89.9	94.0	94.2	96.4	97.3	97.3	97.3	97.5	97.5	97.8
>=200	37.5	56.4	66.2	75.3	82.5	85.1	90.1	94.3	94.5	96.9	97.9	98.1	98.4	98.4	98.4	98.8
>=100	37.5	56.4	66.2	75.3	82.5	85.1	90.1	94.4	94.6	97.0	98.0	98.2	98.7	98.7	98.7	99.4
>=0	37.5	56.4	66.2	75.3	82.5	85.1	90.1	94.4	94.6	97.0	98.0	98.2	98.7	98.7	98.8	99.7

TOTAL NO. OF OBS : 1164

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	34.4	45.7	50.9	53.1	55.0	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
>=20000	36.1	48.6	54.0	56.4	58.7	59.2	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
>=18000	36.2	48.7	54.0	56.5	58.8	59.3	59.6	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
>=16000	36.3	48.8	54.1	56.6	58.9	59.4	59.7	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
>=14000	36.8	49.8	55.2	57.7	60.0	60.5	60.8	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
>=12000	38.3	52.3	58.0	60.7	63.1	63.6	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
>=10000	39.9	55.0	61.0	64.4	66.9	67.6	68.0	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
>=9000	40.5	55.6	61.9	65.3	67.8	68.5	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
>=8000	41.1	57.0	63.4	66.8	69.4	70.2	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
>=7000	41.3	57.6	64.0	67.4	70.1	70.9	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
>=6000	41.8	58.0	64.5	68.0	70.6	71.4	71.9	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>=5000	42.7	59.2	65.8	69.4	72.2	72.9	73.5	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
>=4000	43.3	59.9	66.7	70.3	73.0	73.8	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
>=3500	44.2	60.8	67.7	71.4	74.2	75.0	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>=3000	45.2	61.9	68.8	72.6	75.6	76.4	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
>=2500	46.6	63.7	70.8	74.9	77.9	78.7	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
>=2000	47.2	64.9	72.2	76.4	79.4	80.2	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
>=1800	47.6	65.9	73.4	77.7	80.7	81.4	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
>=1500	48.4	67.7	75.5	80.1	83.3	84.2	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
>=1200	48.6	69.1	77.2	82.1	85.9	86.8	87.5	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
>=1000	49.0	70.1	78.9	84.2	88.6	89.6	90.5	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
>=900	49.0	70.3	79.4	85.1	89.6	90.7	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
>=800	49.1	70.6	80.0	85.9	90.5	91.8	92.9	93.3	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
>=700	49.1	71.0	80.4	86.6	91.4	92.9	94.2	94.8	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
>=600	49.1	71.2	80.7	87.3	92.3	94.0	95.5	96.3	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
>=500	49.1	71.3	80.8	87.6	92.8	94.7	96.3	97.1	97.1	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
>=400	49.1	71.4	80.9	87.9	93.2	95.2	96.9	98.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
>=300	49.1	71.4	80.9	87.9	93.2	95.3	97.0	98.2	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>=200	49.1	71.4	80.9	87.9	93.2	95.3	97.0	98.3	98.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
>=100	49.1	71.4	80.9	87.9	93.2	95.3	97.0	98.3	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>=0	49.1	71.4	80.9	87.9	93.2	95.3	97.0	98.3	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1164

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG
HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	1/2	>=1/2	>=5/8	>=3/4	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	34.6	44.1	48.1	50.3	51.3	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
>=20000	37.5	48.0	52.3	54.8	56.0	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>=18000	37.5	48.1	52.4	55.0	56.1	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
>=16000	37.5	48.1	52.4	55.0	56.1	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
>=14000	38.3	48.9	53.4	56.0	57.1	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
>=12000	39.5	51.0	56.0	58.7	59.8	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
>=10000	41.1	53.3	58.5	61.5	62.7	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
>= 9000	41.5	54.2	59.4	62.3	63.5	63.9	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>= 8000	42.1	55.3	60.7	63.9	65.2	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>= 7000	42.5	55.8	61.2	64.5	65.7	66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
>= 6000	43.1	56.7	62.1	65.3	66.7	67.2	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
>= 5000	44.8	58.7	64.1	67.5	68.8	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
>= 4500	46.4	60.7	66.1	69.5	70.9	71.4	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>= 4000	48.2	63.2	68.8	72.7	74.2	74.7	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
>= 3500	50.2	66.0	72.0	76.1	77.6	78.1	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
>= 3000	51.0	67.4	73.8	78.1	79.7	80.3	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
>= 2500	52.6	69.7	76.2	81.0	82.8	83.4	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
>= 2000	53.9	72.1	78.9	84.0	85.9	86.6	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
>= 1800	54.0	72.4	79.3	84.5	86.6	87.4	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
>= 1500	54.5	73.8	81.4	86.8	88.9	89.9	90.5	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
>= 1200	54.9	75.2	82.9	88.6	91.0	92.2	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
>= 1000	55.2	76.1	83.9	90.2	92.7	93.9	94.7	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
>= 900	55.2	76.1	84.0	90.3	92.9	94.1	94.8	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
>= 800	55.2	76.4	84.6	91.2	93.8	95.1	95.9	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
>= 700	55.3	76.6	85.1	91.6	94.3	95.6	96.4	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
>= 600	55.3	76.6	85.1	91.7	94.5	96.0	97.0	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
>= 500	55.3	76.6	85.1	91.8	94.8	96.3	97.3	98.2	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 400	55.3	76.6	85.2	91.9	94.9	96.6	97.7	98.5	98.5	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
>= 300	55.3	76.6	85.2	92.0	95.0	96.7	97.8	98.8	98.8	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>= 200	55.3	76.6	85.2	92.0	95.0	96.7	97.8	98.8	98.8	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
>= 100	55.3	76.6	85.2	92.0	95.0	96.7	97.8	98.8	98.8	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
>= 0	55.3	76.6	85.2	92.0	95.0	96.7	97.8	98.8	98.8	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NO. OF OBS : 1165

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	35.8	45.5	49.2	52.2	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
>=20000	39.6	50.9	54.8	58.0	59.4	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
>=18000	39.6	51.0	54.9	58.1	59.5	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>=16000	39.6	51.0	54.9	58.1	59.5	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
>=14000	40.1	51.7	55.7	59.0	60.4	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
>=12000	41.9	53.7	58.0	61.4	62.9	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
>=10000	44.2	56.5	61.0	64.8	66.4	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
>= 9000	44.8	57.4	62.1	66.1	67.6	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
>= 8000	45.5	58.7	63.5	67.8	69.4	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
>= 7000	46.1	59.6	64.5	68.7	70.4	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
>= 6000	46.8	60.5	65.5	69.7	71.3	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
>= 5000	48.9	62.9	68.0	72.3	74.0	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
>= 4500	50.0	64.3	69.4	73.8	75.6	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
>= 4000	51.9	66.7	71.9	76.7	78.8	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
>= 3500	52.2	67.8	73.2	78.1	80.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
>= 3000	52.6	68.9	74.5	79.6	81.7	82.9	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
>= 2500	53.2	70.7	76.8	82.2	84.5	85.7	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
>= 2000	53.9	71.9	78.2	83.7	86.5	87.9	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
>= 1800	54.2	72.7	79.1	84.8	87.6	89.0	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
>= 1500	54.5	73.5	80.3	86.2	89.4	90.8	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
>= 1200	54.6	74.1	81.0	87.3	90.6	92.2	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
>= 1000	55.0	75.2	82.0	88.6	92.1	93.9	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
>= 900	55.2	75.4	82.4	89.1	92.9	94.8	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
>= 800	55.4	75.8	82.9	89.9	94.0	95.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
>= 700	55.4	75.8	83.1	90.5	94.6	96.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
>= 600	55.4	75.9	83.2	90.6	94.8	96.7	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
>= 500	55.4	75.9	83.2	90.6	95.2	97.1	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
>= 400	55.4	75.9	83.2	90.6	95.2	97.2	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>= 300	55.4	75.9	83.2	90.6	95.2	97.2	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>= 200	55.4	75.9	83.2	90.6	95.2	97.2	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>= 100	55.4	75.9	83.2	90.6	95.2	97.2	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
>= 0	55.4	75.9	83.2	90.6	95.2	97.2	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NO. OF OBS : 1155

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG
HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	35.5	45.2	48.9	52.4	54.0	54.5	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
>=20000	37.9	49.8	53.9	58.0	59.8	60.5	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
>=18000	38.0	50.0	54.1	58.2	60.0	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
>=16000	38.4	50.4	54.5	58.7	60.6	61.4	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
>=14000	40.6	53.4	57.7	62.0	64.2	65.0	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
>=12000	41.9	55.5	60.1	64.9	67.3	68.2	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
>=10000	42.5	56.5	61.3	66.6	69.3	70.3	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
>=8000	43.3	57.5	62.3	67.8	70.6	71.6	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
>=7000	43.8	58.1	63.0	68.6	71.3	72.4	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>=6000	44.3	59.1	64.0	69.6	72.6	73.6	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
>=5000	45.3	60.5	65.6	71.2	74.1	75.2	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>=4500	45.9	61.3	66.6	72.2	75.3	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
>=4000	47.1	62.9	68.2	74.1	77.6	78.7	79.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
>=3500	47.1	63.1	68.5	74.4	78.0	79.2	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>=3000	47.8	64.2	69.8	76.0	79.9	81.2	81.8	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
>=2500	48.3	65.2	70.7	77.1	80.9	82.2	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
>=2000	49.1	66.2	72.0	78.3	82.2	83.5	84.1	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
>=1800	49.3	66.4	72.1	78.6	82.5	83.9	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
>=1500	49.9	67.6	73.5	80.1	84.3	85.9	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
>=1200	50.6	68.9	75.3	82.1	86.5	88.2	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
>=1000	50.9	69.5	76.0	83.2	87.9	89.7	90.7	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
>=900	51.0	70.0	76.7	84.3	89.3	91.1	92.2	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
>=800	51.1	70.6	77.8	85.7	90.9	92.8	93.9	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
>=700	51.1	70.6	78.0	86.3	91.7	93.8	94.9	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
>=600	51.1	70.6	78.0	86.4	92.0	94.4	95.8	96.4	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0
>=500	51.1	70.7	78.1	86.8	92.4	94.9	96.6	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
>=400	51.1	70.7	78.2	87.0	92.9	95.4	97.0	97.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
>=300	51.1	70.7	78.2	87.1	92.9	95.5	97.4	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>=200	51.1	70.7	78.2	87.1	92.9	95.5	97.4	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>=100	51.1	70.7	78.2	87.1	92.9	95.5	97.4	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
>=0	51.1	70.7	78.2	87.1	92.9	95.5	97.4	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NO. OF OBS : 1148

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMITED	36.5	46.8	49.9	52.4	53.9	54.2	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7
>=20000	38.6	50.0	53.5	56.1	57.7	58.1	58.3	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=18000	38.6	50.0	53.5	56.1	57.7	58.1	58.3	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=16000	38.6	50.0	53.5	56.1	57.7	58.1	58.3	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7
>=14000	38.9	50.6	54.2	56.7	58.4	58.8	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4
>=12000	40.0	52.3	56.0	58.7	60.3	60.7	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
>=10000	42.1	56.0	59.8	62.8	64.7	65.1	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8
>= 9000	43.1	57.3	61.2	64.6	66.6	67.1	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.8
>= 8000	43.5	58.1	62.1	65.7	67.8	68.3	68.6	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1
>= 7000	44.4	59.5	63.5	67.0	69.3	69.8	70.1	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.6
>= 6000	44.9	60.4	64.4	68.1	70.3	70.8	71.1	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.6
>= 5000	46.2	62.3	66.4	70.2	72.5	73.0	73.4	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.9
>= 4500	47.1	63.2	67.4	71.3	73.6	74.1	74.5	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	75.0
>= 4000	47.8	64.3	68.6	72.6	75.2	75.7	76.0	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.6
>= 3500	48.1	64.9	69.3	73.3	76.0	76.5	76.8	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3
>= 3000	48.1	65.2	69.6	73.9	76.6	77.1	77.4	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
>= 2500	48.2	65.4	69.8	74.0	76.7	77.2	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.1
>= 2000	48.9	66.3	70.8	75.0	77.8	78.3	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.3
>= 1800	48.9	66.4	70.9	75.2	78.0	78.5	79.2	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.7
>= 1500	49.7	68.1	72.7	77.1	80.1	80.6	81.3	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9
>= 1200	50.0	69.5	74.1	78.7	81.9	82.4	83.3	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9
>= 1000	50.5	70.8	75.7	80.6	84.1	84.8	85.6	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
>= 900	50.6	71.2	76.2	81.5	85.1	85.8	86.8	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.5
>= 800	50.8	72.1	77.4	83.0	87.1	87.8	88.8	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>= 700	50.9	72.5	78.0	84.2	88.7	89.6	90.7	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.4
>= 600	50.9	72.7	78.5	85.1	90.1	91.2	92.4	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
>= 500	51.0	72.9	78.7	85.8	91.3	92.4	93.8	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.7
>= 400	51.0	73.2	79.0	86.7	92.3	93.4	95.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.9
>= 300	51.0	73.2	79.0	86.8	92.6	93.8	95.9	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.5
>= 200	51.0	73.3	79.1	86.9	92.8	94.1	96.5	97.7	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.9
>= 100	51.0	73.3	79.1	86.9	92.9	94.2	96.5	97.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6	99.7
>= 0	51.0	73.3	79.1	86.9	92.9	94.2	96.5	97.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6	100.0

TOTAL NO. OF OBS : 1156

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : AUG
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	33.6	43.6	47.3	50.1	51.7	52.2	52.7	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1
>=20000	35.8	47.0	51.1	54.2	55.9	56.5	57.0	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
>=18000	35.9	47.1	51.2	54.3	56.0	56.6	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6
>=16000	35.9	47.1	51.2	54.3	56.1	56.6	57.2	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6
>=14000	36.5	47.9	52.0	55.2	57.0	57.5	58.1	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
>=12000	37.9	50.0	54.4	57.8	59.7	60.3	60.8	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4
>=10000	39.6	52.7	57.4	61.2	63.3	63.9	64.6	64.8	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
>= 9000	40.2	53.7	58.6	62.5	64.7	65.4	66.1	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7
>= 8000	41.0	55.0	59.9	64.1	66.4	67.1	67.9	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
>= 7000	41.5	55.9	60.9	65.1	67.4	68.1	68.9	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5
>= 6000	41.9	56.5	61.6	65.9	68.2	69.0	69.8	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4
>= 5000	43.0	58.0	63.1	67.5	69.9	70.7	71.5	71.8	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
>= 4500	43.6	58.8	64.0	68.4	70.9	71.7	72.5	72.8	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
>= 4000	44.5	60.1	65.4	70.0	72.7	73.5	74.4	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0
>= 3500	45.1	61.0	66.5	71.2	73.9	74.7	75.6	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3
>= 3000	45.6	61.9	67.5	72.4	75.2	76.1	77.0	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
>= 2500	46.3	63.0	68.7	73.7	76.6	77.5	78.4	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1
>= 2000	46.9	64.1	69.9	75.1	78.0	79.0	80.0	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7
>= 1800	47.1	64.6	70.5	75.7	78.7	79.7	80.7	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4
>= 1500	47.5	65.7	71.9	77.3	80.5	81.5	82.7	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4
>= 1200	48.0	66.9	73.3	78.9	82.4	83.5	84.7	85.1	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
>= 1000	48.3	67.9	74.5	80.4	84.1	85.4	86.7	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6
>= 900	48.4	68.3	75.2	81.4	85.2	86.5	88.0	88.5	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
>= 800	48.6	68.9	76.0	82.6	86.8	88.2	89.8	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
>= 700	48.6	69.2	76.6	83.4	87.9	89.4	91.3	92.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6
>= 600	48.6	69.4	76.9	84.1	89.0	90.6	92.7	93.6	93.7	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
>= 500	48.6	69.5	77.2	84.6	89.8	91.6	93.9	94.9	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8
>= 400	48.7	69.6	77.3	85.1	90.4	92.3	94.9	96.2	96.3	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
>= 300	48.7	69.6	77.3	85.2	90.7	92.7	95.5	97.0	97.1	98.1	98.3	98.3	98.3	98.3	98.4	98.4	98.5	98.5
>= 200	48.7	69.6	77.3	85.2	90.8	92.9	95.7	97.3	97.4	98.6	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2
>= 100	48.7	69.6	77.3	85.2	90.8	92.9	95.7	97.3	97.5	98.6	99.1	99.1	99.1	99.1	99.4	99.4	99.6	99.7
>= 0	48.7	69.6	77.3	85.2	90.8	92.9	95.7	97.3	97.5	98.6	99.1	99.1	99.1	99.1	99.4	99.5	99.8	100.0

TOTAL NO. OF OBS : 9273

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1	3	4	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL		MEAN	
DIR.		1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED
N		.4	2.9	5.9	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	10.9	8.1	
NNE		.2	1.6	2.3	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	5.2	8.6	
NE		.4	.8	2.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.9	
ENE		.0	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.4	
E		.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.5	
ESE		.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.7	
SE		.1	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.5	
SSE		.4	1.0	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.5	
S		.7	4.1	2.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	6.4	
SSW		.5	2.7	2.3	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.9	7.6	
SW		1.8	3.4	3.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	6.7	
WSW		.7	3.3	3.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	7.6	6.7	
W		.9	3.9	2.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	6.2	
WNW		1.0	3.3	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	6.0	
NW		1.2	3.6	3.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	6.5	
NNW		.7	2.7	4.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	6.9	
VAR		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	.0	
ALL		8.9	35.7	34.6	10.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	100.0	6.3	

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT.		1	2	3	4	5	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL		MEAN
DIR.		1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED
N				.3	5.2	5.0		2.1	.2	.0	.0	.0	.0	.0	.0	.0	12.7	7.6
NNE		.0	1.7	.0	1.7	1.8		1.1	.1	.0	.1	.0	.0	.0	.0	.0	4.7	8.8
NE		.3	.9	.0		1.8		1.4	.1	.0	.0	.0	.0	.0	.0	.0	4.5	9.1
ENE		.1	.4	.0		.9		.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.1
E		.0	.4	.0	.4	.2		.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.0
ESE		.1	.3	.0	.3	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0
SE		.2	.6	.0	.6	.3		.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.6
SSE		.3	1.0	.0		.8		.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.1
S		.9	3.6	.0	3.6	2.4		.5	.1	.1	.0	.0	.0	.0	.0	.0	7.5	6.5
SSW		.8	2.5	.0	2.5	1.7		1.1	.1	.0	.0	.0	.0	.0	.0	.0	6.2	7.3
SW		1.1	2.9	.0	2.9	2.5		.9	.0	.0	.0	.0	.0	.0	.0	.0	7.3	6.7
WSW		1.0	2.7	.0	2.7	2.3		.8	.0	.0	.0	.0	.0	.0	.0	.0	6.8	6.5
W		1.4	3.7	.0	3.7	3.9		.6	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.3
WNW		1.3	2.7	.0	2.7	1.8		.7	.0	.0	.0	.0	.0	.0	.0	.0	6.6	6.2
NW		1.2	3.0	.0	3.0	3.2		.5	.0	.0	.0	.0	.0	.0	.0	.0	7.9	6.4
NNW		.6	3.3	.0	3.3	3.2		.4	.0	.0	.0	.0	.0	.0	.0	.0	7.5	6.5
VAR		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	13.1	.0
ALL		9.4	34.9	31.7	10.3	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.0

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)															TOTAL		MEAN		
16 PT. 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561															%				
DIR.																			
N	.8	5.1	6.6	2.6	.1	.0	.0	.0	.0	.0	.0	.0	15.2	7.9					
NNE	.1	.9	2.9	2.3	.1	.2	.0	.0	.0	.0	.0	.0	6.4	10.3					
NE	.4	1.1	2.4	.9	.1	.0	.0	.0	.0	.0	.0	.0	4.8	8.2					
ENE	.1	.8	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.9					
E	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.8					
ESE	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.3					
SE	.1	.4	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.1	8.5					
SSE	.1	1.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.4					
S	.8	2.4	3.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	7.3	7.2					
SSW	.5	3.2	2.0	.6	.4	.0	.0	.0	.0	.0	.0	.0	6.7	7.3					
SW	.9	2.6	1.9	.9	.0	.1	.0	.0	.0	.0	.0	.0	6.4	7.0					
WSW	.6	1.8	2.8	1.1	.0	.0	.0	.0	.0	.0	.0	.0	6.3	7.4					
W	1.1	3.6	3.3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	9.2	6.7					
WNW	.5	3.2	2.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	6.9	6.8					
NW	1.2	2.4	3.8	1.1	.0	.0	.0	.0	.0	.0	.0	.0	8.4	7.3					
NNW	.7	2.8	3.2	1.7	.1	.0	.0	.0	.0	.0	.0	.0	8.5	7.7					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0					
ALL	8.2	31.5	36.5	14.7	.7	.4	.0	.0	.0	.0	.0	.0	100.0	7.0					

TOTAL NO. OF OBS : 1140

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : SEP
 CLASS : ALL WEATHER HOUR : 1000 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	MEAN
N	.3	1.5	4.2	3.2	.3	.0	.0	.0	.0	.0	.0	9.5
NNE	.2	1.1	3.5	3.2	.3	.3	.0	.0	.0	.0	.0	8.6
NE	.4	1.2	4.0	2.7	.5	.0	.0	.0	.0	.0	.0	8.9
ENE	.2	1.1	2.4	1.1	.1	.0	.0	.0	.0	.0	.0	4.8
E	.4	1.1	1.3	.3	.0	.0	.0	.0	.0	.0	.0	3.0
ESE	.2	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	1.7
SE	.3	1.3	1.7	.5	.0	.1	.0	.0	.0	.0	.0	3.9
SSE	.4	1.5	2.7	1.2	.2	.0	.0	.0	.0	.0	.0	6.1
S	.3	1.1	3.0	2.6	.3	.0	.0	.0	.0	.0	.0	7.3
SSW	.2	.7	1.8	2.5	1.1	.1	.0	.0	.0	.0	.0	6.4
SW	.3	.7	2.2	2.0	.6	.1	.0	.0	.0	.0	.0	5.9
WSW	.1	1.2	2.6	2.2	.2	.1	.0	.0	.0	.0	.0	6.4
W	.3	.5	2.5	2.3	.1	.1	.0	.0	.0	.0	.0	5.7
WNW	.1	.9	2.5	2.4	.1	.0	.0	.0	.0	.0	.0	6.0
NW	.1	1.1	3.2	3.0	.3	.0	.0	.0	.0	.0	.0	7.6
NNW	.2	1.0	2.4	2.8	.4	.0	.0	.0	.0	.0	.0	6.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7
ALL	3.6	16.7	40.7	32.4	4.2	.7	.0	.0	.0	.0	.0	100.0

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN
DIR.		1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED						
N	.2	1.1	3.4	2.6	.3	.0	.0	.0	.0	.0	.0	.0	7.6	.0	9.9					
NNE	.1	.6	2.1	2.9	.5	.1	.1	.0	.0	.0	.0	.0	6.4	.0	11.6					
NE	.1	.9	2.6	2.0	.2	.0	.0	.0	.0	.0	.0	.0	5.8	.0	10.1					
ENE	.1	.7	1.6	1.3	.1	.0	.0	.0	.0	.0	.0	.0	3.8	.0	9.2					
E	.2	1.1	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	7.1					
ESE	.2	.7	1.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	2.4	.0	7.9					
SE	.3	1.4	2.5	3.3	.2	.0	.0	.0	.0	.0	.0	.0	7.6	.0	10.0					
SSE	.2	.7	4.8	3.4	.4	.0	.0	.1	.0	.0	.0	.0	9.6	.0	10.4					
S	.2	1.1	3.1	3.7	.9	.2	.0	.0	.0	.0	.0	.0	9.1	.0	11.1					
SSW	.1	.8	.6	3.4	1.8	.1	.0	.0	.0	.0	.0	.0	6.8	.0	13.3					
SW	.1	.5	1.5	3.3	.8	.1	.0	.0	.0	.0	.0	.0	6.2	.0	12.3					
WSW	.2	.3	1.9	2.5	.5	.0	.0	.0	.0	.0	.0	.0	5.4	.0	11.1					
W	.0	.6	2.3	3.2	.4	.1	.0	.0	.0	.0	.0	.0	6.6	.0	11.3					
WNW	.0	.8	2.4	3.3	.3	.0	.0	.0	.0	.0	.0	.0	6.8	.0	10.9					
NW	.1	.7	3.3	3.8	.2	.0	.0	.0	.0	.0	.0	.0	8.1	.0	10.7					
NNW	.0	.8	1.7	2.3	.4	.0	.0	.0	.0	.1	.0	.0	5.2	.0	11.3					
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0					
ALL	1.8	12.7	36.0	41.6	6.8	.6	.1	.1	.1	.1	.0	.0	100.0	.0	10.8					

TOTAL NO. OF OBS : 1138

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)										TOTAL		MEAN	
16 PT. 1		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED
DIR.															
N	.0	.5	2.0	2.0	.2	.1	.0	.0	.0	.0	.0	.0	4.8	10.7	
NNE	.1	.1	1.5	1.8	.4	.0	.0	.0	.0	.0	.0	.0	4.0	11.7	
NE	.0	.5	3.3	2.4	.3	.0	.0	.0	.0	.0	.0	.0	6.5	10.3	
ENE	.0	.8	1.6	1.4	.0	.0	.0	.0	.0	.0	.0	.0	3.8	9.3	
E	.1	.7	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.2	7.3	
ESE	.1	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.2	
SE	.4	.9	2.5	1.7	.1	.0	.0	.0	.0	.0	.0	.0	5.4	9.3	
SSE	.1	1.1	6.1	3.9	.2	.0	.0	.0	.0	.0	.0	.0	11.3	9.8	
S	.0	1.1	6.3	6.3	.5	.2	.0	.0	.1	.0	.0	.0	14.5	11.0	
SSW	.0	.6	1.4	4.7	1.1	.2	.1	.0	.0	.0	.0	.0	8.1	13.2	
SW	.0	.5	1.9	5.3	1.0	.1	.0	.0	.0	.0	.0	.0	8.8	12.3	
WSW	.0	.1	1.9	1.6	.1	.1	.0	.0	.0	.0	.0	.0	3.8	11.1	
W	.1	.5	2.2	2.0	.2	.1	.0	.0	.0	.0	.0	.0	5.1	10.3	
WNW	.1	.9	2.7	3.1	.1	.0	.1	.0	.0	.0	.0	.0	6.9	10.3	
WV	.1	1.1	3.3	3.1	.2	.0	.0	.0	.0	.0	.0	.0	7.8	9.9	
NNW	.1	.3	2.5	2.0	.1	.0	.0	.0	.0	.0	.0	.0	4.9	10.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
ALL	1.1	10.4	40.9	41.8	4.4	.7	.2	.0	.1	.0	.0	.0	100.0	10.6	

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN	
16 PT.	1	-	31	4	-	61	7-101	11-161	17-211	22-271	28-331	34-401	41-471	48-551	>=561	%	WIND	
DIR.	1		1		1		1		1		1		1		1		SPEED	
N	.1		1.1		1.8		1.1		.5		.0		.0		.0		4.7	9.9
NNE	.0		.9		2.0		1.1		.1		.1		.0		.0		4.1	9.3
NE	.5		1.8		3.9		1.3		.1		.0		.0		.0		7.7	8.2
ENE	.4		1.1		1.9		.2		.0		.0		.0		.0		3.5	7.2
E	.3		1.1		1.3		.1		.0		.0		.0		.0		2.8	6.4
ESE	.1		.5		.7		.0		.0		.0		.0		.0		1.3	6.1
SE	.4		1.1		1.0		.3		.0		.0		.0		.0		2.7	6.5
SSE	1.1		2.3		1.8		.4		.1		.0		.0		.0		5.7	6.3
S	.6		5.9		7.6		1.7		.2		.0		.0		.0		16.0	7.3
SSW	.4		3.4		5.4		2.2		.3		.1		.0		.0		11.9	8.5
SW	.7		4.2		5.6		1.7		.2		.1		.0		.0		12.5	7.9
WSW	.5		2.1		2.4		.4		.1		.0		.0		.0		5.4	7.0
W	.5		2.5		2.0		.4		.0		.0		.0		.0		5.4	6.5
WNW	.3		2.3		2.3		.5		.0		.0		.0		.0		5.4	6.9
NW	.4		1.8		3.1		.6		.0		.0		.0		.0		5.8	7.5
NNW	.0		1.3		1.4		.4		.1		.0		.0		.0		3.2	7.7
VAR	.0		.0		.0		.0		.0		.0		.0		.0		.0	.0
CLM	.0		.0		.0		.0		.0		.0		.0		.0		1.8	.0
ALL	6.1		33.5		44.2		12.4		1.6		.4		.1		.0		100.0	7.5

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1 - 3	4 - 6	7-10	11-16	17-21	SPEED (KNOTS)					>=56		TOTAL %	MEAN WIND SPEED
							22-27	28-33	34-40	41-47	48-55				
N	.4	2.9	3.1	1.6	.1	.1	.0	.0	.0	.0	.0	.0	8.1	8.1	8.1
NNE	.1	2.5	2.5	1.1	.0	.1	.0	.0	.0	.0	.0	.0	6.1	6.1	7.8
NE	.4	1.8	2.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	5.4	5.4	7.7
ENE	.1	1.3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.1	6.2
E	.2	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	6.4
ESE	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	5.0
SE	.0	.9	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.2	7.5
SSE	.9	1.1	.6	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.8	2.8	6.2
S	.8	4.2	3.7	1.2	.4	.0	.0	.0	.0	.0	.0	.0	10.3	10.3	7.5
SSW	.9	4.0	2.6	1.5	.1	.0	.0	.0	.0	.0	.0	.0	9.0	9.0	7.2
SW	1.7	5.2	3.6	1.1	.3	.0	.1	.0	.0	.0	.0	.0	11.9	11.9	6.7
WSW	.3	3.3	3.9	.8	.2	.0	.0	.0	.0	.0	.0	.0	8.4	8.4	7.3
W	.6	3.2	3.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	7.1	7.1	6.4
WNW	.5	2.7	2.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.3	7.0
NW	.4	3.2	2.4	.8	.1	.0	.0	.0	.0	.0	.0	.0	6.8	6.8	7.0
NNW	.2	2.2	2.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	5.3	5.3	7.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	7.5	39.0	34.2	11.4	1.1	.3	.1	.0	.0	.0	.0	.0	100.0	100.0	6.7

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%			
DIR.																SPEED	
N	.3	2.5			4.0	2.1	.2	.0*	.0	.0	.0	.0	.0	9.2	8.6		
NNE	.1	1.2			2.3	1.8	.2	.1	.0*	.0	.0	.0	.0	5.7	5.9		
NE	.3	1.1			2.8	1.5	.2	.0*	.0	.0	.0	.0	.0	5.9	9.0		
ENE	.1	.9			1.3	.5	.0*	.0	.0	.0	.0	.0	.0	2.8	7.9		
E	.2	.6			.7	.1	.0	.0	.0	.0	.0	.0	.0	1.7	6.7		
ESE	.1	.5			.4	.1	.0	.0*	.0	.0	.0	.0	.0	1.1	6.8		
SE	.2	.9			1.2	.8	.0*	.0*	.0	.0	.0	.0	.0	3.2	8.5		
SSE	.4	1.2			2.2	1.2	.1	.0*	.0	.0*	.0	.0	.0	5.2	8.6		
S	.5	2.9			3.9	2.2	.3	.1	.0	.0	.0*	.0	.0	10.0	8.5		
SSW	.4	2.2			2.2	2.2	.6	.1	.0*	.0	.0	.0	.0	7.7	9.4		
SW	.8	2.5			2.8	2.1	.4	.1	.0*	.0	.0	.0	.0	8.6	8.5		
WSW	.4	1.9			2.6	1.2	.1	.0*	.0	.0	.0	.0	.0	6.3	8.1		
W	.6	2.3			2.8	1.3	.1	.0*	.0	.0	.0	.0	.0	7.1	7.7		
WNW	.5	2.1			2.3	1.5	.1	.0	.0*	.0	.0	.0	.0	6.4	8.0		
NW	.6	2.1			3.2	1.7	.1	.0	.0	.0	.0	.0	.0	7.7	8.2		
NNW	.3	1.8			2.6	1.3	.1	.0	.0	.0	.0*	.0	.0	6.2	8.3		
VAR	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	.0		
ALL	5.8	26.8	37.3	21.9	2.5	.4	.1	.0*	.0	.0	.0	.0	.0	100.0	8.0		

TOTAL NO. OF OBS : 9114

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.1	47.8	49.3	51.5	52.3	52.3	53.2	53.4	53.5	53.6	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0
>=20000	41.8	49.9	51.5	53.8	54.7	54.7	55.7	56.0	56.1	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.6	56.6
>=18000	41.8	49.9	51.5	53.8	54.7	54.7	55.7	56.0	56.1	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.6	56.6
>=16000	41.8	49.9	51.5	53.8	54.7	54.7	55.7	56.0	56.1	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.6	56.6
>=14000	42.1	50.1	51.8	54.1	55.1	55.1	56.1	56.3	56.4	56.5	56.7	56.7	56.7	56.7	56.8	56.8	56.9	56.9
>=12000	43.8	51.9	53.6	56.1	57.1	57.1	58.1	58.4	58.5	58.6	58.8	58.8	58.8	58.9	58.9	59.1	59.1	59.1
>=10000	46.1	54.8	56.5	59.2	60.1	60.1	61.1	61.5	61.5	61.6	61.8	61.8	61.8	61.9	61.9	62.1	62.1	62.1
>= 9000	47.0	56.0	57.7	60.5	61.5	61.5	62.5	62.9	63.0	63.0	63.2	63.2	63.2	63.3	63.3	63.5	63.5	63.5
>= 8000	48.1	57.3	59.2	62.2	63.4	63.4	64.4	64.7	64.8	64.9	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3
>= 7000	49.0	58.4	60.3	63.3	64.6	64.6	65.6	66.0	66.0	66.1	66.3	66.3	66.3	66.4	66.4	66.6	66.6	66.6
>= 6000	49.8	59.3	61.4	64.4	65.7	65.7	66.7	67.0	67.1	67.2	67.4	67.4	67.4	67.5	67.5	67.6	67.6	67.6
>= 5000	51.6	61.6	63.7	66.8	68.2	68.2	69.2	69.6	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.2	70.2	70.2
>= 4500	52.4	62.6	64.8	67.9	69.2	69.2	70.3	70.6	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.3	71.3	71.3
>= 4000	52.9	63.2	65.4	68.5	69.8	69.8	71.0	71.4	71.4	71.5	71.7	71.7	71.7	71.8	71.8	72.0	72.0	72.0
>= 3500	53.2	63.8	66.1	69.3	70.7	70.7	71.9	72.2	72.3	72.4	72.6	72.6	72.6	72.7	72.7	72.9	72.9	72.9
>= 3000	53.9	64.8	67.1	70.4	71.8	71.8	72.9	73.3	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9
>= 2500	54.6	65.9	68.3	71.7	73.1	73.1	74.3	74.6	74.7	74.8	75.0	75.0	75.0	75.1	75.1	75.2	75.2	75.2
>= 2000	56.0	67.6	70.1	73.8	75.2	75.2	76.4	76.7	76.8	76.9	77.1	77.1	77.1	77.2	77.2	77.4	77.4	77.4
>= 1800	56.2	68.1	70.6	74.4	75.9	75.9	77.0	77.4	77.5	77.5	77.7	77.7	77.7	77.8	77.8	78.0	78.0	78.0
>= 1500	56.9	69.4	72.1	76.0	77.5	77.5	78.7	79.0	79.1	79.2	79.4	79.4	79.4	79.5	79.5	79.7	79.7	79.7
>= 1200	57.4	70.3	73.1	77.2	78.6	78.7	79.9	80.3	80.4	80.5	80.6	80.6	80.6	80.7	80.7	80.9	80.9	80.9
>= 1000	58.1	71.4	74.3	78.6	80.0	80.1	81.3	81.7	81.8	82.0	82.1	82.1	82.1	82.2	82.2	82.4	82.4	82.4
>= 900	58.4	72.1	75.3	80.1	82.0	82.1	83.5	83.9	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6
>= 800	58.7	72.9	76.4	81.3	83.6	83.7	85.1	85.6	85.7	85.9	86.0	86.0	86.0	86.1	86.1	86.3	86.3	86.3
>= 700	59.0	73.7	77.3	82.9	85.4	85.5	87.1	87.5	87.6	87.8	88.0	88.0	88.0	88.1	88.1	88.2	88.2	88.2
>= 600	59.1	74.4	78.6	84.7	87.5	87.6	89.3	89.8	89.9	90.1	90.3	90.3	90.3	90.4	90.4	90.5	90.5	90.5
>= 500	59.1	74.8	79.2	86.1	89.3	89.5	91.3	92.0	92.1	92.5	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9
>= 400	59.1	74.8	79.6	86.9	90.8	91.0	93.2	94.3	94.4	94.9	95.0	95.0	95.0	95.1	95.1	95.3	95.3	95.3
>= 300	59.1	74.8	79.6	87.1	91.3	91.6	94.1	95.5	95.7	96.6	96.9	96.9	96.9	97.0	97.0	97.2	97.2	97.2
>= 200	59.1	74.8	79.6	87.1	91.4	91.7	94.3	95.8	96.0	97.7	98.1	98.1	98.1	98.2	98.2	98.4	98.4	98.4
>= 100	59.1	74.8	79.6	87.1	91.4	91.7	94.3	95.8	96.0	97.7	98.2	98.2	98.2	98.2	98.2	98.9	98.9	99.2
>= 0	59.1	74.8	79.6	87.1	91.4	91.7	94.3	95.8	96.0	97.7	98.2	98.2	98.2	98.2	98.8	98.9	99.5	100.0

TOTAL NO. OF OBS : 1131

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2 1/2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	38.1	47.0	48.9	50.6	52.6	52.6	53.5	54.1	54.2	54.4	54.6	54.6	54.6	54.6	54.7	54.8
>=20000	39.7	49.2	51.1	52.9	54.9	55.1	56.0	56.7	56.8	57.0	57.1	57.1	57.1	57.1	57.2	57.3
>=18000	39.7	49.2	51.1	52.9	54.9	55.1	56.0	56.7	56.8	57.0	57.1	57.1	57.1	57.1	57.2	57.3
>=16000	39.7	49.2	51.1	52.9	54.9	55.1	56.0	56.7	56.8	57.0	57.1	57.1	57.1	57.1	57.2	57.3
>=14000	39.9	49.6	51.6	53.4	55.6	55.7	56.6	57.3	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.9
>=12000	41.0	51.0	52.9	54.8	57.1	57.2	58.1	58.8	58.9	59.2	59.3	59.3	59.3	59.3	59.4	59.5
>=10000	42.5	53.1	55.1	57.1	59.4	59.6	60.6	61.3	61.4	61.6	61.8	61.8	61.8	61.8	61.9	62.0
>=9000	43.2	54.0	56.0	58.0	60.5	60.8	61.7	62.4	62.5	62.8	63.0	63.0	63.0	63.0	63.1	63.1
>=8000	44.5	55.8	57.8	60.0	62.6	62.9	63.8	64.6	64.6	64.9	65.1	65.1	65.1	65.1	65.2	65.3
>=7000	45.3	56.9	58.9	61.1	63.8	64.0	65.0	65.7	65.8	66.1	66.3	66.3	66.3	66.3	66.4	66.5
>=6000	45.9	57.6	59.7	62.0	64.6	64.9	65.9	66.6	66.7	67.0	67.2	67.2	67.2	67.2	67.3	67.4
>=5000	46.8	59.1	61.2	63.5	66.1	66.4	67.4	68.2	68.3	68.6	68.8	68.8	68.8	68.8	68.9	69.0
>=4500	47.4	60.1	62.2	64.5	67.2	67.5	68.4	69.2	69.3	69.7	69.8	69.8	69.8	69.8	69.9	70.0
>=4000	48.1	60.8	63.0	65.3	68.0	68.3	69.2	70.0	70.1	70.5	70.6	70.6	70.6	70.6	70.7	70.8
>=3500	48.9	62.0	64.3	66.6	69.3	69.6	70.5	71.3	71.4	71.8	72.0	72.0	72.0	72.0	72.0	72.1
>=3000	49.6	63.0	65.3	67.5	70.3	70.5	71.6	72.4	72.5	72.8	73.0	73.0	73.0	73.0	73.1	73.2
>=2500	50.2	63.7	66.0	68.4	71.2	71.4	72.5	73.3	73.4	73.7	73.9	73.9	73.9	73.9	74.0	74.1
>=2000	50.8	64.6	67.1	69.7	72.5	72.8	73.8	74.6	74.7	75.0	75.2	75.2	75.2	75.2	75.3	75.4
>=1800	51.4	65.4	68.0	70.5	73.4	73.6	74.7	75.5	75.6	75.9	76.1	76.1	76.1	76.1	76.2	76.3
>=1500	51.7	66.5	69.2	72.0	75.0	75.2	76.3	77.1	77.2	77.5	77.7	77.7	77.7	77.7	77.8	77.9
>=1200	51.9	67.8	70.7	73.5	76.5	76.8	78.0	78.7	78.8	79.2	79.4	79.4	79.4	79.4	79.5	79.5
>=1000	52.6	69.3	72.6	75.7	78.7	79.0	80.3	81.1	81.2	81.6	81.7	81.7	81.7	81.7	81.8	81.9
>=900	52.7	69.9	73.3	76.6	79.8	80.2	81.6	82.4	82.5	82.9	83.1	83.1	83.1	83.1	83.2	83.2
>=800	52.8	70.3	73.7	77.4	80.8	81.1	82.6	83.4	83.5	84.1	84.3	84.3	84.3	84.3	84.4	84.5
>=700	52.9	71.2	75.0	79.3	82.9	83.2	84.9	85.7	85.8	86.4	86.6	86.6	86.6	86.6	86.7	86.8
>=600	53.0	71.8	75.9	80.4	84.6	85.0	87.0	88.0	88.1	88.8	89.0	89.0	89.0	89.0	89.1	89.2
>=500	53.0	72.3	76.6	81.7	86.1	86.7	88.9	90.0	90.1	90.8	91.0	91.0	91.0	91.0	91.1	91.2
>=400	53.0	72.3	76.7	82.5	87.4	88.0	90.9	92.3	92.4	93.2	93.5	93.5	93.5	93.5	93.6	93.7
>=300	53.0	72.3	76.7	82.8	87.8	88.5	92.1	93.8	93.9	95.1	95.3	95.3	95.3	95.3	95.4	95.6
>=200	53.0	72.4	76.8	83.0	88.1	88.8	92.7	94.7	94.9	96.8	97.3	97.3	97.4	97.4	97.4	97.6
>=100	53.0	72.4	76.8	83.0	88.1	88.8	92.7	94.9	95.1	97.0	97.6	97.6	98.1	98.1	98.2	98.5
>= 0	53.0	72.4	76.8	83.0	88.1	88.8	92.7	95.0	95.1	97.1	97.7	97.7	98.2	98.3	98.8	100.0

TOTAL NO. OF OBS : 1134

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	31.6	41.8	43.9	46.6	47.5	48.4	49.6	50.0	50.0	50.6	50.7	50.7	50.7	50.7	50.8	51.0
>=20000	33.1	43.9	46.2	49.1	50.0	50.9	52.3	52.7	52.9	53.6	53.8	53.8	53.8	53.8	53.9	54.3
>=18000	33.2	43.9	46.3	49.2	50.1	51.0	52.3	52.8	53.0	53.7	53.8	53.8	53.8	53.8	54.0	54.4
>=16000	33.2	44.0	46.4	49.2	50.2	51.1	52.4	52.9	53.1	53.8	53.9	53.9	53.9	53.9	54.1	54.5
>=14000	33.7	44.6	47.0	50.0	51.1	52.1	53.4	53.8	54.0	54.8	55.0	55.0	55.0	55.0	55.2	55.5
>=12000	34.7	46.1	48.7	51.7	53.0	54.0	55.4	55.9	56.1	56.9	57.0	57.0	57.0	57.0	57.2	57.6
>=10000	36.2	48.4	51.5	54.7	56.1	57.2	59.0	59.4	59.6	60.5	60.7	60.7	60.7	60.7	60.8	61.2
>=9000	37.0	49.9	53.1	56.5	57.8	59.0	60.7	61.2	61.4	62.2	62.4	62.4	62.4	62.4	62.6	63.0
>=8000	38.0	51.3	54.6	58.2	59.7	60.8	62.6	63.0	63.3	64.2	64.4	64.4	64.4	64.4	64.5	64.9
>=7000	38.5	52.3	55.6	59.3	61.0	62.2	63.9	64.4	64.6	65.5	65.7	65.7	65.7	65.7	65.9	66.2
>=6000	38.9	52.7	56.1	59.9	61.5	62.7	64.5	64.9	65.2	66.0	66.2	66.2	66.2	66.2	66.4	66.8
>=5000	39.4	53.5	57.1	61.0	62.7	63.8	65.6	66.0	66.3	67.2	67.4	67.4	67.4	67.4	67.6	67.9
>=4500	39.6	53.8	57.5	61.4	63.0	64.2	66.0	66.4	66.7	67.6	67.7	67.7	67.7	67.7	67.9	68.3
>=4000	40.0	54.4	58.3	62.3	64.0	65.3	67.0	67.5	67.7	68.6	68.8	68.8	68.8	68.8	69.0	69.3
>=3500	40.6	55.1	59.1	63.3	65.0	66.2	68.0	68.5	68.8	69.7	69.8	69.8	69.8	69.8	70.0	70.4
>=3000	41.3	56.2	60.2	64.5	66.1	67.5	69.3	69.9	70.2	71.1	71.3	71.3	71.3	71.3	71.4	71.8
>=2500	41.5	56.8	60.7	65.1	66.8	68.1	69.9	70.6	70.8	71.7	71.9	71.9	71.9	71.9	72.1	72.4
>=2000	42.4	58.2	62.2	66.8	68.4	69.8	71.6	72.2	72.5	73.4	73.6	73.6	73.6	73.6	73.7	74.1
>=1800	42.5	58.4	62.4	66.9	68.8	70.1	72.0	72.6	72.9	73.7	73.9	73.9	73.9	73.9	74.1	74.4
>=1500	43.2	59.7	63.8	68.5	70.5	71.8	73.7	74.3	74.5	75.4	75.6	75.6	75.6	75.6	75.8	76.1
>=1200	43.9	61.0	65.5	70.8	72.9	74.2	76.0	76.7	76.9	77.8	78.0	78.0	78.0	78.0	78.2	78.5
>=1000	44.1	62.1	66.8	72.2	74.4	75.8	78.1	78.7	79.0	79.9	80.2	80.2	80.2	80.2	80.4	80.7
>=900	44.2	62.8	67.7	74.0	76.2	77.8	80.3	80.9	81.2	82.2	82.5	82.5	82.5	82.5	82.7	83.0
>=800	44.6	63.7	69.0	75.3	77.6	79.4	81.9	82.5	82.8	84.0	84.4	84.4	84.4	84.4	84.5	84.9
>=700	44.7	64.5	69.9	76.6	79.2	81.2	83.8	84.7	85.0	86.2	86.6	86.6	86.6	86.6	86.8	87.2
>=600	44.8	64.7	70.6	77.4	80.4	82.4	85.4	86.3	86.6	88.1	88.5	88.5	88.5	88.5	88.7	89.0
>=500	44.8	64.8	71.0	78.1	81.5	84.0	87.4	88.6	89.0	90.5	91.1	91.1	91.1	91.1	91.2	91.6
>=400	44.8	65.3	71.4	78.9	82.6	85.2	88.9	90.6	91.2	93.1	94.0	94.0	94.0	94.0	94.2	94.6
>=300	44.8	65.3	71.4	79.0	82.8	85.5	89.3	91.3	92.0	94.4	95.5	95.5	95.5	95.6	95.8	96.2
>=200	44.8	65.3	71.4	79.0	82.9	85.6	89.5	91.7	92.3	95.0	96.7	96.7	97.0	97.1	97.4	97.9
>=100	44.8	65.3	71.4	79.0	82.9	85.6	89.5	91.8	92.4	95.1	96.9	96.9	97.3	97.5	98.4	99.2
>= 0	44.8	65.3	71.4	79.0	82.9	85.6	89.5	91.8	92.4	95.1	96.9	96.9	97.3	97.5	98.4	100.0

TOTAL NO. OF OBS : 1131

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	41.9	50.3	52.2	54.3	55.3	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
>=20000	43.9	53.1	55.3	57.4	58.5	58.7	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=18000	43.9	53.1	55.3	57.4	58.5	58.7	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
>=16000	44.1	53.2	55.4	57.6	58.7	58.9	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
>=14000	44.3	53.4	55.6	57.7	58.9	59.1	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
>=12000	45.9	55.7	57.9	60.1	61.3	61.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
>=10000	47.5	57.8	60.2	62.6	63.7	63.9	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
>= 9000	48.3	58.7	61.3	63.8	65.1	65.3	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
>= 8000	49.0	59.8	62.3	64.9	66.2	66.4	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
>= 7000	49.9	60.8	63.4	66.0	67.3	67.5	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
>= 6000	50.2	61.5	64.0	66.6	67.9	68.1	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
>= 5000	50.8	62.2	64.7	67.3	68.7	68.9	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
>= 4500	51.4	63.0	65.5	68.1	69.5	69.7	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
>= 4000	52.4	64.5	67.1	69.7	71.1	71.3	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
>= 3500	53.4	65.6	68.3	71.0	72.4	72.6	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>= 3000	54.5	67.4	70.0	72.9	74.4	74.5	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
>= 2500	55.3	68.7	71.4	74.4	75.8	76.0	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
>= 2000	56.8	70.7	73.7	76.7	78.2	78.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
>= 1800	57.5	71.8	75.0	78.1	79.5	79.7	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
>= 1500	58.5	73.6	76.8	80.3	82.0	82.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
>= 1200	59.5	75.7	79.4	82.9	84.7	85.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
>= 1000	59.9	77.4	81.3	85.2	87.2	87.8	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
>= 900	60.0	78.1	82.3	86.3	88.5	89.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
>= 800	60.0	78.9	83.1	87.4	89.7	90.5	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
>= 700	60.0	79.2	83.5	88.1	90.8	92.0	93.4	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
>= 600	60.1	79.8	84.2	89.2	92.2	93.5	95.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
>= 500	60.1	79.8	84.2	89.4	92.5	94.2	95.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
>= 400	60.1	79.8	84.2	89.7	92.8	94.7	96.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
>= 300	60.1	79.8	84.2	89.7	92.9	94.8	96.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 200	60.1	79.8	84.2	89.7	92.9	94.8	96.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 100	60.1	79.8	84.2	89.7	92.9	94.8	96.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
>= 0	60.1	79.8	84.2	89.7	92.9	94.8	96.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NO. OF OBS : 1131

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.8	49.7	51.7	53.2	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
>=20000	46.0	53.4	55.5	57.2	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
>=18000	46.2	53.5	55.7	57.4	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
>=16000	47.0	54.3	56.6	58.2	59.0	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
>=14000	48.2	56.1	58.3	60.0	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=12000	50.4	59.4	61.9	63.7	64.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
>=10000	51.8	60.8	63.6	65.3	66.3	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
>=9000	52.6	61.7	64.5	66.4	67.5	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
>=8000	53.2	62.4	65.3	67.2	68.3	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>=7000	53.2	62.5	65.4	67.3	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
>=6000	55.2	65.3	68.4	70.3	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
>=5000	56.0	66.5	69.6	71.5	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>=4000	58.5	69.4	72.5	74.4	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
>=3500	59.9	71.0	74.1	76.2	77.2	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>=3000	61.3	72.7	76.1	78.1	79.3	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>=2500	63.3	75.1	78.5	80.7	81.9	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
>=2000	64.5	76.7	80.4	82.6	84.0	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
>=1800	64.6	77.0	80.9	83.3	84.7	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
>=1500	65.6	79.2	83.2	86.1	87.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
>=1200	66.5	81.2	85.5	88.7	90.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
>=1000	66.6	82.0	86.3	89.8	91.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
>=900	66.6	82.2	86.6	90.2	92.3	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
>=800	66.8	82.4	87.0	90.6	92.6	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
>=700	66.8	82.8	87.3	91.4	93.7	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
>=600	66.8	83.1	87.7	91.8	94.5	96.1	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
>=500	66.8	83.2	87.9	92.1	94.9	96.5	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
>=400	66.8	83.2	87.9	92.1	95.1	96.8	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
>=300	66.8	83.2	87.9	92.1	95.1	96.8	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
>=200	66.8	83.2	87.9	92.1	95.1	96.8	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
>=100	66.8	83.2	87.9	92.1	95.1	96.8	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
>=0	66.8	83.2	87.9	92.1	95.1	96.8	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NO. OF OBS : 1128

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.3	50.0	52.4	54.0	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
>=20000	47.6	53.8	56.2	58.0	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
>=18000	47.7	53.9	56.3	58.1	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
>=16000	48.0	54.1	56.6	58.3	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
>=14000	48.6	55.0	57.4	59.1	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
>=12000	50.1	57.0	59.4	61.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
>=10000	52.2	60.4	62.9	64.9	66.2	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
>= 9000	53.1	61.6	64.1	66.2	67.4	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
>= 8000	54.2	63.1	65.8	67.9	69.1	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
>= 7000	54.8	64.0	66.8	69.0	70.2	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
>= 6000	55.7	64.9	67.7	69.8	71.1	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
>= 5000	57.6	67.3	70.1	72.3	73.5	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
>= 4500	59.6	69.3	72.2	74.3	75.6	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>= 4000	61.3	71.2	74.2	76.4	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
>= 3500	62.4	72.5	75.6	77.9	79.4	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
>= 3000	63.1	74.0	77.2	79.6	81.1	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
>= 2500	64.3	75.5	78.8	81.4	82.9	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
>= 2000	65.3	77.2	80.5	83.2	84.8	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
>= 1800	65.6	77.7	81.1	83.9	85.5	85.9	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
>= 1500	66.5	80.1	83.8	86.8	88.8	89.1	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>= 1200	67.0	81.2	85.2	88.7	90.7	91.3	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
>= 1000	67.2	81.9	86.2	89.8	92.2	92.9	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
>= 900	67.2	82.1	86.5	90.2	92.6	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
>= 800	67.2	82.4	87.1	91.2	93.8	94.5	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
>= 700	67.2	82.6	87.3	91.8	94.6	95.3	95.8	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1
>= 600	67.2	82.7	87.7	92.2	95.3	96.1	96.9	97.3	97.5	97.7	97.8	97.8	97.9	97.9	97.9	97.9
>= 500	67.2	82.7	87.7	92.3	95.5	96.4	97.2	97.8	97.9	98.3	98.4	98.4	98.5	98.5	98.5	98.5
>= 400	67.2	82.7	87.7	92.3	95.5	96.4	97.4	98.4	98.6	99.0	99.1	99.1	99.3	99.3	99.3	99.3
>= 300	67.2	82.7	87.8	92.4	95.7	96.6	97.6	98.7	98.8	99.4	99.6	99.6	99.8	99.8	99.8	99.8
>= 200	67.2	82.7	87.8	92.4	95.7	96.6	97.6	98.7	98.8	99.5	99.8	99.8	100.0	100.0	100.0	100.0
>= 100	67.2	82.7	87.8	92.4	95.7	96.6	97.6	98.7	98.8	99.5	99.8	99.8	100.0	100.0	100.0	100.0
>= 0	67.2	82.7	87.8	92.4	95.7	96.6	97.6	98.7	98.8	99.5	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NO. OF OBS : 1121

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.7	48.8	52.0	54.1	55.3	55.5	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
>=20000	46.5	53.4	56.6	59.1	60.6	60.7	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=18000	46.5	53.4	56.6	59.1	60.6	60.7	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=16000	46.6	53.5	56.7	59.2	60.6	60.8	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
>=14000	47.6	54.8	58.0	60.5	61.9	62.1	62.2	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
>=12000	49.0	56.4	59.7	62.2	63.7	63.8	64.0	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
>=10000	50.8	59.1	62.7	65.5	67.1	67.2	67.4	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
>=9000	51.8	60.5	64.2	67.1	68.7	68.8	69.0	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
>=8000	53.3	62.2	66.1	69.1	70.8	71.0	71.1	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
>=7000	53.8	62.9	66.7	69.8	71.6	71.8	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
>=6000	54.4	63.6	67.4	70.5	72.5	72.7	72.8	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
>=5000	55.7	65.3	69.3	72.5	74.6	74.8	75.0	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
>=4500	56.0	66.1	70.1	73.3	75.5	75.7	76.0	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
>=4000	57.4	67.9	72.0	75.2	77.4	77.6	77.8	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
>=3500	58.1	68.9	73.3	76.7	79.0	79.2	79.4	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>=3000	59.7	70.5	75.0	78.5	80.8	80.9	81.2	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
>=2500	60.6	71.7	76.2	79.7	82.3	82.5	82.8	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
>=2000	61.2	72.7	77.2	80.9	83.4	83.7	84.0	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
>=1800	61.6	73.3	77.8	81.5	84.1	84.4	84.7	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
>=1500	62.2	74.4	79.0	82.7	85.7	85.9	86.2	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
>=1200	63.0	75.5	80.1	84.1	87.1	87.4	87.7	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
>=1000	63.1	76.0	80.8	85.0	88.2	88.5	88.8	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
>=900	63.3	76.7	81.7	86.2	89.6	89.9	90.2	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
>=800	63.5	77.2	82.2	87.0	90.7	91.1	91.5	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
>=700	63.5	77.7	83.2	88.2	92.1	92.5	92.9	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
>=600	63.5	77.8	83.5	88.9	93.1	93.7	94.2	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
>=500	63.5	77.8	83.9	89.8	94.4	94.9	95.5	96.4	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
>=400	63.5	77.8	84.0	90.1	94.7	95.5	96.5	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
>=300	63.5	77.8	84.0	90.3	95.0	95.8	96.8	98.1	98.3	98.9	99.0	99.0	99.1	99.1	99.1	99.1
>=200	63.5	77.8	84.0	90.3	95.0	95.8	96.8	98.4	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8
>=100	63.5	77.8	84.0	90.3	95.0	95.8	96.8	98.4	98.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9
>=0	63.5	77.8	84.0	90.3	95.0	95.8	96.8	98.4	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NO. OF OBS : 1123

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : SEP
HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.2	50.2	52.8	53.9	54.4	54.4	54.4	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.4
>=20000	44.0	53.0	55.9	57.2	57.8	57.9	58.3	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.9
>=18000	44.0	53.0	55.9	57.2	57.8	57.9	58.3	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.9
>=16000	44.0	53.0	55.9	57.2	57.8	57.9	58.3	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.9
>=14000	44.8	53.9	56.7	58.1	58.7	58.8	59.2	59.5	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.8
>=12000	46.7	56.0	58.8	60.2	60.8	61.0	61.5	61.7	61.7	61.8	61.8	61.8	61.9	62.0	62.0	62.1
>=10000	48.0	58.0	61.4	63.1	63.8	63.9	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9	65.0
>=9000	49.2	59.4	62.9	64.7	65.3	65.5	65.9	66.2	66.2	66.3	66.3	66.3	66.3	66.4	66.4	66.5
>=8000	50.4	61.3	64.8	66.7	67.6	67.8	68.2	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.8
>=7000	51.3	62.6	66.3	68.2	69.2	69.4	69.9	70.2	70.2	70.2	70.2	70.2	70.3	70.4	70.4	70.5
>=6000	52.2	63.5	67.1	69.2	70.2	70.3	70.9	71.1	71.1	71.2	71.2	71.2	71.3	71.4	71.4	71.5
>=5000	53.3	65.1	68.7	70.8	71.8	71.9	72.6	72.8	72.8	72.9	72.9	72.9	73.0	73.1	73.1	73.2
>=4500	54.3	66.4	70.1	72.1	73.1	73.3	73.9	74.2	74.2	74.3	74.3	74.3	74.4	74.5	74.5	74.6
>=4000	55.1	67.6	71.3	73.4	74.3	74.5	75.1	75.4	75.4	75.6	75.6	75.6	75.7	75.8	75.8	75.8
>=3500	55.8	68.6	72.4	74.4	75.6	75.8	76.4	76.6	76.6	76.8	76.8	76.8	76.9	77.0	77.0	77.1
>=3000	56.7	69.8	73.7	75.8	77.0	77.2	77.8	78.1	78.1	78.2	78.2	78.2	78.3	78.4	78.4	78.5
>=2500	57.5	70.6	74.6	76.9	78.2	78.3	79.0	79.2	79.2	79.4	79.4	79.4	79.5	79.6	79.6	79.7
>=2000	58.1	71.6	75.7	78.0	79.2	79.4	80.0	80.3	80.3	80.5	80.5	80.5	80.6	80.6	80.6	80.7
>=1800	58.3	72.0	76.1	78.4	79.7	79.8	80.5	80.7	80.7	80.9	80.9	80.9	81.0	81.1	81.1	81.2
>=1500	58.7	72.9	77.0	79.4	80.8	81.0	81.6	81.9	81.9	82.1	82.1	82.1	82.1	82.2	82.2	82.3
>=1200	59.5	74.2	78.5	81.3	82.9	83.0	83.7	84.0	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.5
>=1000	60.0	75.3	80.0	82.9	84.5	84.7	85.4	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.2
>=900	60.5	76.5	81.4	84.5	86.3	86.7	87.4	87.7	87.7	87.9	87.9	87.9	88.0	88.1	88.1	88.2
>=800	60.7	77.3	82.3	85.6	87.6	88.1	88.8	89.2	89.2	89.3	89.3	89.3	89.4	89.5	89.5	89.6
>=700	60.9	77.7	82.9	86.5	88.6	89.2	90.0	90.3	90.3	90.5	90.5	90.5	90.6	90.7	90.7	90.8
>=600	61.0	78.5	84.3	88.5	91.0	91.7	92.6	93.3	93.3	93.5	93.5	93.5	93.6	93.7	93.7	93.8
>=500	61.0	78.6	84.7	89.2	92.0	92.9	93.9	94.5	94.5	94.8	94.8	94.8	94.9	95.0	95.0	95.1
>=400	61.1	78.7	84.9	89.5	92.8	93.7	95.3	96.1	96.1	96.7	96.7	96.7	96.8	96.9	96.9	97.0
>=300	61.1	78.7	84.9	89.5	93.0	94.0	96.0	97.0	97.1	98.1	98.1	98.1	98.2	98.3	98.3	98.4
>=200	61.1	78.7	84.9	89.5	93.0	94.0	96.3	97.3	97.5	98.8	98.8	98.8	98.9	98.9	98.9	99.0
>=100	61.1	78.7	84.9	89.5	93.0	94.0	96.3	97.3	97.5	98.9	99.3	99.3	99.5	99.6	99.6	99.6
>=0	61.1	78.7	84.9	89.5	93.0	94.0	96.3	97.3	97.5	98.9	99.3	99.3	99.6	99.7	99.7	100.0

TOTAL NO. OF OBS : 1126

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : SEP
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=0	>=1	>=2	>=3	>=4	>=5	>=6	>=7	>=8	>=9	>=10	>=11	>=12	>=13	>=14	>=15	>=16	>=17	>=18	>=19	>=20
UNLIMIT	40.5	48.2	50.4	52.3	53.2	53.4	54.0	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6
>=20000	42.8	51.2	53.5	55.6	56.7	56.9	57.5	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
>=18000	42.8	51.2	53.6	55.6	56.7	56.9	57.5	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.2
>=16000	42.9	51.3	53.7	55.7	56.8	57.0	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3
>=14000	43.5	52.0	54.3	56.4	57.5	57.8	58.3	58.6	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0
>=12000	44.9	53.8	56.2	58.3	59.5	59.7	60.4	60.6	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.1
>=10000	46.7	56.4	59.0	61.3	62.6	62.9	63.6	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.3
>=9000	47.7	57.6	60.3	62.7	64.1	64.4	65.0	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.7	65.8
>=8000	48.7	59.0	61.9	64.4	65.9	66.1	66.8	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.6
>=7000	49.5	60.0	62.9	65.5	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.6	68.7
>=6000	50.0	60.7	63.6	66.2	67.7	68.0	68.7	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.5
>=5000	51.3	62.4	65.4	68.0	69.6	69.9	70.6	70.9	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
>=4500	52.1	63.4	66.5	69.1	70.7	71.0	71.7	72.0	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5
>=4000	53.2	64.9	68.0	70.6	72.2	72.6	73.3	73.6	73.7	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
>=3500	54.0	65.9	69.1	71.9	73.6	73.9	74.6	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4
>=3000	55.0	67.3	70.5	73.4	75.1	75.4	76.2	76.5	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
>=2500	55.9	68.5	71.8	74.8	76.5	76.9	77.6	78.0	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.5
>=2000	56.9	69.9	73.4	76.4	78.2	78.6	79.4	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
>=1800	57.2	70.4	74.0	77.1	78.9	79.3	80.1	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	81.0
>=1500	57.9	71.9	75.6	79.0	80.9	81.4	82.2	82.5	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0
>=1200	58.6	73.3	77.3	80.9	82.9	83.5	84.3	84.6	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.2
>=1000	58.9	74.4	78.5	82.4	84.6	85.2	86.1	86.5	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0
>=900	59.1	75.0	79.3	83.5	85.9	86.5	87.6	87.9	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5
>=800	59.3	75.6	80.1	84.5	87.0	87.8	88.9	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.9
>=700	59.4	76.2	80.8	85.6	88.4	89.2	90.4	90.9	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.6
>=600	59.4	76.6	81.5	86.6	89.8	90.7	92.1	92.8	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6
>=500	59.4	76.7	81.9	87.3	90.8	91.9	93.4	94.3	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.3
>=400	59.4	76.8	82.0	87.7	91.5	92.7	94.6	95.8	96.0	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.1
>=300	59.4	76.8	82.0	87.9	91.7	92.9	95.0	96.5	96.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.2
>=200	59.4	76.8	82.1	87.9	91.8	93.0	95.2	96.8	97.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	99.0
>=100	59.4	76.8	82.1	87.9	91.8	93.0	95.2	96.8	97.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	99.0
>=0	59.4	76.8	82.1	87.9	91.8	93.0	95.2	96.8	97.0	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.3
>=0	59.4	76.8	82.1	87.9	91.8	93.0	95.2	96.8	97.0	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.3

TOTAL NO. OF OBS : 9025

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : CCT
 HOUR : C100 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN	
DIR.		SPEED (KNOTS)																%	WIND
																			SPEED
N	.6	3.6	4.3	2.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	8.2	
NNE	.3	1.4	2.4	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	8.6	
NE	.3	.5	1.5	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	9.0	
ENE	.0	.5	.2	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.6	
E	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	10.0	
ESE	.0	.2	.3	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	11.6	
SE	.2	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	9.2	
SSE	.7	.8	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.4	
S	1.3	3.2	2.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	6.4	
SSW	.4	2.0	1.5	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.7	
SW	1.2	2.9	2.7	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	7.6	
WSW	1.0	3.7	2.8	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	6.8	
W	1.3	3.2	3.7	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	6.9	
WNW	.8	3.7	2.9	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	7.4	
NW	1.2	3.3	3.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	7.0	
NNW	.3	2.8	3.3	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	7.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	.0	
ALL	9.5	32.4	32.1	13.8	2.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.8	

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL %	MEAN WIND SPEED
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56								
N	.4	4.1	5.8	2.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	8.3
NNE	.5	.9	2.1	1.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	9.2
NE	.1	.8	1.4	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	9.2
ENE	.0	.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.9
E	.1	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.8
ESE	.1	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.2
SE	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.6
SSE	.3	1.0	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.5
S	.7	3.2	1.4	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.7
SSW	.5	2.5	1.1	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	7.1
SW	1.2	2.4	2.0	1.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	7.2
WSW	.8	2.9	2.5	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	6.7
W	.9	3.9	4.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.3	6.8
WNW	.8	2.7	2.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	6.8
NW	1.0	4.0	2.4	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	7.0
NNW	.7	3.4	3.2	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	7.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.2	.0
ALL	8.2	32.9	30.4	12.6	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6.4

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. 1		1	-	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL					MEAN	
DIR.		1	-	3	4	-	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	SPEED				
N		.6		4.1		5.9		2.0		.4		.1	.0	.0	.0	.0	13.2	8.3				
NNE		.2		1.4		2.6		2.5		.2		.0	.0	.0	.0	.0	7.0	9.5				
NE		.3		.7		.9		1.3		.1		.0	.0	.0	.0	.0	3.2	9.2				
ENE		.0		.1		.5		.3		.0		.0	.0	.0	.0	.0	.9	10.0				
E		.0		.2		.3		.0		.0		.1	.0	.0	.0	.0	.6	9.9				
ESE		.2		.3		.2		.2		.0		.0	.0	.0	.0	.0	.8	7.6				
SE		.4		.3		.3		.0		.2		.0	.0	.0	.0	.0	1.2	6.7				
SSE		.3		.9		.8		.3		.0		.0	.0	.0	.0	.0	2.2	6.9				
S		.6		3.0		2.0		.3		.0		.0	.0	.0	.0	.0	5.9	6.2				
SSW		.4		1.5		1.4		.6		.3		.0	.0	.0	.0	.0	4.2	7.7				
SW		.9		2.6		2.2		1.0		.3		.0	.0	.0	.0	.0	7.1	7.2				
WSW		.7		2.9		3.3		.8		.0		.1	.0	.0	.0	.0	7.8	7.4				
W		.9		2.4		4.0		1.8		.0		.0	.0	.0	.0	.0	9.1	7.7				
WNW		1.4		2.9		2.6		1.4		.2		.0	.0	.0	.0	.0	8.6	7.2				
NW		.9		2.9		3.2		1.2		.1		.0	.0	.0	.0	.0	8.3	7.3				
MNW		.9		3.7		3.7		1.5		.3		.0	.0	.0	.0	.0	10.2	7.5				
VAR		.0		.0		.0		.0		.0		.0	.0	.0	.0	.0	.0	.0				
CLM		.0		.0		.0		.0		.0		.0	.0	.0	.0	.0	9.8	.0				
ALL		8.8		29.9		34.1		15.3		1.9		.3	.1	.0	.0	.0	100.0	7.0				

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL		MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	3	4	5	6	7	8	
N	.3	1.5	4.3	5.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4
NNE	.4	1.4	2.8	4.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5
NE	.3	1.4	2.2	2.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
ENE	.2	.7	1.3	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5
E	.4	.9	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5
ESE	.3	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
SE	.4	1.1	1.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7
SSE	.1	1.3	1.4	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9
S	.3	1.9	2.8	2.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0
SSW	.0	1.2	.6	1.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5
SW	.3	1.4	2.6	3.7	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8
WSW	.0	.8	2.0	1.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7
W	.0	.8	2.0	2.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3
WNW	.1	.7	1.7	4.0	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5
NW	.1	.4	1.7	3.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9
NNW	.4	1.0	2.5	4.0	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	3.5	17.2	30.6	38.6	5.8	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	1	2	3	4	5		
N	.2	1.0	3.3	3.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	10.4
NNE	.0	.5	2.2	3.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	11.9
NE	.1	1.1	2.1	2.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	10.4
ENE	.2	.7	1.3	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	10.3
E	.2	.8	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.8
ESE	.3	1.3	.8	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.4
SE	.2	.9	3.2	1.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	9.3
SSE	.2	.7	4.8	2.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	10.3
S	.2	.9	2.5	3.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	10.9
SSW	.0	.3	.9	3.2	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	13.5
SW	.3	.2	2.0	3.4	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	12.2
WSW	.0	.3	2.1	3.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	11.7
W	.0	.5	1.5	3.2	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	12.5
WNW	.2	.4	2.0	4.6	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	12.6
NW	.1	.9	2.1	3.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	11.2
NNW	.1	.5	1.9	2.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	11.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
ALL	2.0	11.1	33.8	43.1	8.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	11.1

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : CCT
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1	-	3	4	-	6	7-10	11-16	17-21	SPEED (KNOTS)					TOTAL		MEAN
DIR.																	%	WIND SPEED
N		.0			1.1			2.4	1.4	.6	.0	.0	.0	.0	.0	.0	5.5	10.0
NNE		.1			.6			1.4	3.6	.3	.0	.0	.0	.0	.0	.0	6.0	11.5
NE		.1			.7			2.6	2.7	.3	.0	.0	.0	.0	.0	.0	6.4	10.2
ENE		.3			.3			2.1	.8	.2	.0	.0	.0	.0	.0	.0	3.7	9.4
E		.2			.8			.8	.1	.0	.0	.0	.0	.0	.0	.0	2.0	7.0
ESE		.1			.2			.4	.7	.0	.1	.0	.0	.0	.0	.0	1.4	10.6
SE		.0			1.1			2.5	1.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.9
SSE		.5			1.8			6.5	1.9	.2	.0	.0	.0	.0	.0	.0	10.8	8.5
S		.3			1.7			5.6	4.5	.2	.1	.0	.0	.0	.0	.0	12.4	9.9
SSW		.1			.8			2.3	3.3	.7	.2	.0	.0	.0	.0	.0	7.3	11.7
SW		.2			.3			2.0	4.7	.1	.1	.0	.0	.0	.0	.0	7.4	11.7
WSW		.1			.2			2.1	1.4	.2	.0	.0	.0	.0	.0	.0	4.0	10.3
W		.1			.5			2.3	2.5	.2	.0	.0	.0	.0	.0	.0	5.6	10.4
WNW		.1			.8			2.5	3.7	.4	.1	.0	.0	.0	.0	.0	7.7	11.0
NW		.1			.8			2.6	5.0	.2	.3	.0	.0	.0	.0	.0	9.0	11.5
NNW		.1			.5			2.1	2.4	.2	.0	.0	.0	.0	.0	.0	5.3	10.6
VAR		.0			.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM		.0			.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0
ALL		2.2			12.1			40.4	39.8	3.6	.8	.0	.0	.0	.0	.0	100.0	10.3

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

D14765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)												TOTAL Σ	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56			
N	.3	1.6	2.3	2.4	.3	.0	.0	.0	.0	.0	.0	.0	6.9	9.5
NNE	.1	1.1	2.0	2.4	.2	.0	.0	.0	.0	.0	.0	.0	5.8	10.1
NE	.3	.9	2.1	1.0	.3	.0	.0	.0	.0	.0	.0	.0	4.7	9.1
ENE	.2	1.6	1.2	.4	.0	.1	.0	.0	.0	.0	.0	.0	3.5	7.5
E	.3	.9	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.8
ESE	.0	.4	.6	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.4	8.7
SE	.6	1.8	1.1	.4	.2	.0	.0	.0	.0	.0	.0	.0	4.1	6.6
SSE	.3	1.7	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.2
S	1.0	5.6	3.2	.7	.2	.1	.0	.0	.0	.0	.0	.0	10.8	6.6
SSW	.7	4.3	4.1	1.4	.3	.0	.0	.0	.0	.0	.0	.0	10.7	7.4
SW	1.2	4.1	4.4	1.5	.3	.0	.0	.0	.0	.0	.0	.0	11.6	7.6
WSW	.3	3.7	2.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	7.5	7.1
W	.1	3.1	2.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.9
WNW	.0	2.3	2.3	2.3	.1	.1	.0	.0	.0	.0	.0	.0	7.1	9.2
NW	.3	1.4	2.7	1.3	.3	.0	.0	.0	.0	.0	.0	.0	6.0	8.8
NNW	.2	1.1	2.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0	4.6	8.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	5.8	35.8	35.1	16.9	2.0	.4	.0	.0	.0	.0	.0	.0	100.0	7.6

TOTAL NO. OF OBS : 1177

NOTES : * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	2.7	3.9	3.1	.2	.0	.0	.0	.0	.0	10.4	8.5
NNE	.2	.8	1.7	1.6	.4	.0	.0	.0	.0	.0	4.8	10.1
NE	.6	.8	1.4	.7	.0	.0	.0	.0	.0	.0	3.5	7.7
ENE	.1	.5	.8	.2	.1	.0	.1	.0	.0	.0	1.7	9.1
E	.1	.3	.3	.0	.2	.0	.0	.0	.0	.0	.8	8.0
ESE	.2	.2	.3	.3	.1	.0	.1	.0	.0	.0	1.1	10.2
SE	.6	1.0	.3	.3	.1	.0	.0	.0	.0	.0	2.2	6.0
SSE	.5	.6	.7	.2	.2	.0	.0	.0	.0	.0	2.1	7.0
S	1.2	3.9	2.0	.7	.1	.2	.1	.0	.0	.0	8.1	6.9
SSW	.6	3.1	2.0	.4	.3	.0	.0	.0	.0	.0	6.4	6.9
SW	1.2	3.6	3.1	.9	.4	.1	.0	.0	.0	.0	9.3	7.3
WSW	.6	3.0	3.1	1.1	.0	.0	.0	.0	.0	.0	7.8	7.2
W	1.3	4.4	4.2	.8	.3	.0	.0	.0	.0	.0	11.0	6.9
WNW	.9	2.8	3.0	1.3	.2	.1	.0	.0	.0	.0	8.2	7.5
NW	.3	1.7	3.4	1.0	.1	.0	.0	.0	.0	.0	6.5	8.1
NNW	.5	2.1	2.1	1.2	.2	.1	.0	.0	.0	.0	6.2	8.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1	.0
ALL	9.3	31.5	32.1	13.6	2.7	.4	.3	.0	.0	.0	100.0	6.9

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED	
DIR.																	
N	.4	2.5	4.0	2.9	.3	.0*	.0	.0	.0	.0	.0	.0	.0	10.1	9.1		
NNE	.2	1.0	2.2	2.5	.4	.0*	.0	.0	.0	.0	.0	.0	.0	6.3	10.3		
NE	.3	.9	1.8	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.7	9.5		
ENE	.1	.6	1.0	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	2.3	9.2		
E	.2	.6	.5	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	1.4	7.0		
ESE	.1	.4	.4	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	1.3	8.6		
SE	.3	.9	1.2	.5	.1	.0	.0	.0*	.0	.0	.0	.0	.0	3.0	8.0		
SSE	.4	1.1	2.1	.8	.1	.0*	.0	.0	.0	.0	.0	.0	.0	4.5	8.4		
S	.7	2.9	2.7	1.7	.1	.1	.0*	.0	.0	.0	.0	.0	.0	8.2	8.0		
SSW	.3	2.0	1.7	1.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	6.1	9.1		
SW	.8	2.2	2.6	2.2	.4	.0*	.0	.0	.0	.0	.0	.0	.0	8.2	8.8		
WSW	.4	2.2	2.6	1.4	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	6.8	8.2		
W	.6	2.4	3.1	1.7	.3	.0*	.0	.0	.0	.0	.0	.0	.0	8.0	8.3		
WNW	.6	2.0	2.4	2.5	.3	.1	.0*	.0	.0	.0	.0	.0	.0	7.9	9.3		
NW	.5	1.9	2.6	2.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	7.6	9.0		
NNW	.4	1.9	2.6	1.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	7.1	9.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0		
ALL	6.2	25.4	33.6	24.2	3.5	.6	.1	.0*	.0	.0	.0	.0	.0	100.0	8.3		

TOTAL NO. OF OBS : 9018

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT
HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.6	49.3	50.9	52.9	53.8	54.0	54.5	54.6	54.6	54.6	55.2	55.2	55.2	55.2	55.2	55.5	55.5	55.6	56.0
>=20000	44.3	51.4	53.2	55.2	56.1	56.3	56.8	56.9	56.9	56.9	57.5	57.5	57.5	57.5	57.5	57.8	57.8	58.0	58.4
>=18000	44.4	51.4	53.2	55.3	56.2	56.4	56.9	57.0	57.0	57.0	57.6	57.6	57.6	57.6	57.6	57.9	57.9	58.1	58.5
>=16000	44.4	51.4	53.2	55.3	56.2	56.4	56.9	57.0	57.0	57.0	57.6	57.6	57.6	57.6	57.6	57.9	57.9	58.1	58.5
>=14000	45.1	52.1	53.9	56.0	56.9	57.1	57.6	57.7	57.7	57.7	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.8	59.2
>=12000	45.9	53.4	55.3	57.3	58.3	58.4	58.9	59.0	59.0	59.0	59.6	59.6	59.6	59.6	59.6	60.0	60.0	60.1	60.6
>=10000	49.1	56.8	58.7	60.9	61.8	62.0	62.6	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.6	63.6	63.8	64.2
>= 9000	50.1	58.3	60.2	62.4	63.4	63.5	64.1	64.2	64.2	64.2	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.3	65.8
>= 8000	51.5	60.1	62.1	64.4	65.3	65.5	66.3	66.4	66.4	66.4	67.0	67.0	67.0	67.0	67.0	67.3	67.3	67.5	67.9
>= 7000	52.6	61.4	63.6	66.1	67.0	67.2	68.0	68.1	68.1	68.1	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.2	69.6
>= 6000	53.2	62.2	64.5	67.0	67.9	68.1	68.8	68.9	68.9	68.9	69.5	69.5	69.5	69.5	69.5	69.8	69.8	70.0	70.4
>= 5000	54.9	64.2	66.7	69.2	70.4	70.5	71.3	71.4	71.4	71.4	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.5	72.9
>= 4500	55.5	65.3	68.0	70.5	71.7	71.9	72.7	72.7	72.7	72.7	73.4	73.4	73.4	73.4	73.4	73.8	73.8	73.9	74.4
>= 4000	56.5	66.9	69.5	72.2	73.4	73.6	74.4	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.6	75.6	75.7	76.1
>= 3500	57.5	68.0	70.7	73.4	74.6	74.8	75.6	75.7	75.7	75.7	76.4	76.4	76.4	76.4	76.4	76.7	76.7	76.9	77.3
>= 3000	58.7	69.5	72.2	75.0	76.1	76.3	77.2	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4	78.5	79.0
>= 2500	60.1	71.2	73.9	76.7	77.9	78.0	79.0	79.1	79.1	79.1	79.8	79.8	79.8	79.8	79.8	80.2	80.2	80.3	80.7
>= 2000	61.0	72.4	75.2	77.9	79.1	79.4	80.3	80.5	80.5	80.5	81.2	81.2	81.2	81.2	81.2	81.5	81.5	81.7	82.1
>= 1800	61.1	72.7	75.6	78.3	79.5	79.7	80.7	80.8	80.8	80.8	81.5	81.5	81.5	81.5	81.5	81.9	81.9	82.0	82.5
>= 1500	61.4	73.3	76.5	79.2	80.6	80.8	81.8	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	83.0	83.0	83.1	83.6
>= 1200	62.2	74.4	77.7	80.4	81.9	82.2	83.1	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.5	84.9
>= 1000	62.9	76.1	79.3	82.1	83.7	84.1	85.0	85.3	85.3	85.3	85.9	85.9	85.9	85.9	85.9	86.3	86.3	86.5	86.9
>= 900	63.2	76.4	79.6	82.7	84.5	84.8	85.9	86.1	86.1	86.1	86.9	86.9	86.9	86.9	86.9	87.2	87.2	87.4	87.8
>= 800	63.4	76.8	80.1	83.2	85.0	85.3	86.5	86.8	86.8	86.8	87.6	87.6	87.6	87.6	87.6	87.9	87.9	88.1	88.5
>= 700	63.4	77.2	80.9	84.1	86.1	86.5	87.8	88.1	88.1	88.1	88.8	88.8	88.8	88.8	88.8	89.2	89.2	89.4	89.8
>= 600	63.4	77.3	81.1	84.8	87.2	87.6	89.0	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.4	90.4	90.5	91.0
>= 500	63.4	77.5	81.6	85.4	88.3	88.8	90.5	90.8	90.8	90.8	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.2	92.6
>= 400	63.4	77.6	81.8	86.3	89.4	89.9	92.0	92.7	92.7	92.7	93.5	93.5	93.5	93.5	93.5	93.9	93.9	94.0	94.5
>= 300	63.4	77.6	81.8	86.4	89.6	90.3	92.6	93.7	93.7	93.7	94.9	94.9	94.9	94.9	94.9	95.3	95.3	95.5	96.0
>= 200	63.4	77.6	81.8	86.5	89.8	90.5	92.8	94.0	94.0	94.1	95.8	96.0	96.0	96.0	96.0	96.4	96.4	96.7	97.2
>= 100	63.4	77.6	81.8	86.5	89.8	90.5	92.8	94.0	94.0	94.3	96.4	96.6	96.6	96.6	96.6	97.1	97.1	97.3	97.8
>= 0	63.4	77.6	81.8	86.5	89.8	90.5	92.8	94.0	94.0	94.3	96.4	96.6	96.6	96.6	96.6	97.1	97.1	97.3	98.0

TOTAL NO. OF OBS : 1174

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	41.6	49.4	51.2	52.8	54.1	54.2	54.6	55.2	55.2	55.6	56.1	56.1	56.6	56.7	56.8	57.2
>=20000	43.0	51.0	53.0	54.7	56.0	56.1	56.5	57.1	57.1	57.5	57.9	57.9	58.5	58.5	58.6	59.1
>=18000	43.0	51.0	53.0	54.7	56.0	56.1	56.5	57.1	57.1	57.5	57.9	57.9	58.5	58.5	58.6	59.1
>=16000	43.0	51.0	53.0	54.7	56.0	56.1	56.5	57.1	57.1	57.5	57.9	57.9	58.5	58.5	58.6	59.1
>=14000	43.3	51.5	53.4	55.2	56.5	56.6	57.0	57.6	57.6	58.0	58.5	58.5	59.0	59.1	59.1	59.6
>=12000	44.7	52.8	54.9	56.7	57.9	58.0	58.5	59.1	59.1	59.5	59.9	59.9	60.4	60.5	60.6	61.0
>=10000	46.4	55.0	57.1	59.0	60.3	60.3	60.8	61.4	61.4	61.8	62.2	62.2	62.7	62.8	62.9	63.3
>= 8000	47.5	56.2	58.3	60.2	61.5	61.6	62.1	62.6	62.6	63.1	63.5	63.5	64.0	64.1	64.2	64.6
>= 6000	48.9	57.8	60.0	62.0	63.3	63.4	63.8	64.4	64.5	65.0	65.4	65.4	65.9	66.0	66.1	66.5
>= 4000	50.1	59.3	61.9	64.1	65.6	65.6	66.1	66.7	66.8	67.2	67.6	67.6	68.1	68.2	68.3	68.7
>= 3000	50.5	59.8	62.6	64.8	66.2	66.3	66.8	67.4	67.4	67.9	68.3	68.3	68.8	68.9	69.0	69.4
>= 2500	52.1	61.8	64.6	66.8	68.5	68.7	69.1	69.7	69.8	70.3	70.7	70.7	71.2	71.3	71.4	71.8
>= 2000	52.9	62.9	65.7	67.9	69.7	69.9	70.3	70.9	71.0	71.5	71.9	71.9	72.4	72.5	72.6	73.0
>= 1800	54.0	64.3	67.1	69.4	71.2	71.5	71.9	72.5	72.6	73.0	73.4	73.4	73.9	74.0	74.1	74.5
>= 1500	54.4	64.8	67.6	69.9	71.7	72.0	72.5	73.1	73.2	73.6	74.0	74.0	74.5	74.6	74.7	75.1
>= 1200	55.6	66.2	69.1	71.4	73.2	73.4	73.9	74.5	74.6	75.0	75.6	75.6	76.1	76.2	76.2	76.7
>= 1000	56.8	67.8	70.6	72.9	74.8	75.0	75.6	76.2	76.2	76.7	77.2	77.2	77.7	77.8	77.9	78.3
>= 800	57.9	69.1	72.0	74.4	76.2	76.6	77.1	77.7	77.8	78.2	78.7	78.7	79.2	79.3	79.4	79.8
>= 700	58.2	69.6	72.5	74.9	76.8	77.2	77.7	78.3	78.4	78.8	79.4	79.4	79.9	80.0	80.1	80.5
>= 600	58.7	70.9	73.9	76.3	78.5	78.8	79.3	79.9	80.0	80.4	81.0	81.0	81.5	81.6	81.7	82.1
>= 500	59.5	72.5	75.6	78.3	80.4	80.9	81.4	82.0	82.1	82.5	83.1	83.1	83.6	83.7	83.8	84.2
>= 400	59.7	73.1	76.2	79.1	81.4	81.8	82.4	83.0	83.1	83.5	84.1	84.1	84.6	84.7	84.8	85.2
>= 300	59.9	73.6	77.0	79.9	82.2	82.6	83.2	83.8	83.9	84.4	85.0	85.0	85.5	85.6	85.6	86.1
>= 200	59.9	73.7	77.3	80.6	83.0	83.4	84.1	84.7	84.8	85.2	85.8	85.8	86.3	86.4	86.5	86.9
>= 100	60.0	74.1	78.1	82.0	85.0	85.4	86.1	86.6	86.7	87.2	87.8	87.8	88.3	88.4	88.5	88.9
>= 0	60.0	74.2	78.5	82.3	85.5	86.2	87.7	89.0	89.1	89.7	90.3	90.3	90.9	90.9	91.0	91.5
>= 0	60.0	74.5	79.0	83.1	86.4	87.2	89.2	90.6	90.9	91.4	92.1	92.1	92.6	92.7	92.8	93.3
>= 0	60.0	74.5	79.2	83.5	87.1	88.0	90.7	92.1	92.1	92.6	93.3	93.3	94.0	94.1	94.2	94.7
>= 0	60.0	74.5	79.2	83.6	87.2	88.1	90.8	92.6	92.6	93.7	94.9	94.9	95.8	96.0	96.1	96.6
>= 0	60.0	74.5	79.2	83.6	87.2	88.1	90.8	92.6	92.6	94.4	95.6	95.6	96.8	97.1	97.8	98.4
>= 0	60.0	74.5	79.2	83.6	87.2	88.1	90.8	92.6	92.6	94.4	95.7	95.7	96.9	97.2	98.2	100.0

TOTAL NO. OF OBS : 1170

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	32.8	42.4	45.8	49.0	50.4	50.9	51.3	52.2	52.2	52.9	53.2	53.2	53.2	53.2	53.4	53.4	53.5	53.9
>=20000	34.0	44.6	48.2	51.4	52.8	53.3	53.8	54.7	54.7	55.4	55.7	55.7	55.7	55.7	56.1	56.1	56.2	56.7
>=18000	34.0	44.6	48.2	51.4	52.8	53.3	53.8	54.7	54.7	55.4	55.7	55.7	55.7	55.7	56.1	56.1	56.2	56.7
>=16000	34.0	44.6	48.2	51.4	52.8	53.3	53.8	54.7	54.7	55.4	55.7	55.7	55.7	55.7	56.1	56.1	56.2	56.7
>=14000	34.3	45.0	48.8	52.0	53.4	53.9	54.4	55.3	55.3	56.0	56.3	56.3	56.3	56.3	56.7	56.7	56.8	57.3
>=12000	35.2	46.2	50.2	53.3	55.0	55.5	55.9	56.9	56.9	57.5	57.8	57.8	57.8	57.8	58.2	58.2	58.3	58.8
>=10000	37.7	49.1	53.3	56.5	58.2	58.8	59.5	60.5	60.5	61.1	61.4	61.4	61.4	61.4	61.8	61.8	61.9	62.4
>= 9000	38.5	50.1	54.4	57.6	59.5	60.1	60.8	61.7	61.7	62.4	62.7	62.7	62.7	62.7	63.1	63.1	63.2	63.7
>= 8000	40.0	52.1	56.4	59.8	61.8	62.4	63.2	64.2	64.2	64.9	65.3	65.3	65.3	65.3	65.7	65.7	65.9	66.4
>= 7000	40.7	53.3	57.5	61.0	63.1	63.7	64.5	65.5	65.5	66.3	66.6	66.6	66.6	66.6	67.1	67.1	67.2	67.8
>= 6000	41.7	54.7	59.1	62.5	64.8	65.4	66.1	67.2	67.2	67.9	68.3	68.3	68.3	68.3	68.7	68.7	68.9	69.4
>= 5000	42.4	56.0	60.5	64.0	66.2	66.8	67.6	68.6	68.6	69.4	69.7	69.7	69.7	69.7	70.2	70.2	70.3	70.8
>= 4500	42.9	56.7	61.2	64.8	67.1	67.7	68.4	69.5	69.5	70.2	70.6	70.6	70.6	70.6	71.0	71.0	71.2	71.7
>= 4000	43.7	57.6	62.3	66.0	68.4	69.0	69.8	70.8	70.8	71.7	72.0	72.0	72.0	72.0	72.5	72.5	72.6	73.2
>= 3500	44.5	58.7	63.6	67.2	69.6	70.2	71.1	72.1	72.1	73.0	73.4	73.4	73.4	73.4	73.8	73.8	74.0	74.5
>= 3000	45.7	60.1	65.0	68.6	71.0	71.8	72.6	74.0	74.0	74.9	75.3	75.3	75.3	75.3	75.7	75.7	75.9	76.4
>= 2500	46.3	61.2	66.1	70.1	72.6	73.3	74.3	75.7	75.7	76.6	77.0	77.0	77.0	77.0	77.4	77.4	77.6	78.1
>= 2000	46.8	61.9	67.2	71.2	73.8	74.6	75.6	77.0	77.0	77.9	78.3	78.3	78.3	78.3	78.7	78.7	78.9	79.4
>= 1800	47.3	62.5	67.8	71.8	74.4	75.2	76.2	77.6	77.6	78.5	78.9	78.9	78.9	78.9	79.3	79.3	79.5	80.0
>= 1500	47.6	63.0	68.4	72.5	75.1	76.1	77.1	78.6	78.6	79.4	79.8	79.8	79.8	79.8	80.3	80.3	80.4	81.0
>= 1200	48.2	64.3	69.6	73.9	76.7	77.7	78.7	80.2	80.2	81.0	81.5	81.5	81.5	81.5	81.9	81.9	82.1	82.7
>= 1000	48.5	65.3	70.7	75.1	78.1	79.2	80.3	81.7	81.7	82.6	83.0	83.0	83.0	83.0	83.4	83.4	83.6	84.2
>= 900	48.6	65.4	70.9	75.6	78.6	79.8	80.8	82.2	82.2	83.2	83.6	83.6	83.6	83.6	84.0	84.0	84.2	84.8
>= 800	48.9	66.0	71.5	76.4	79.6	80.9	82.1	83.6	83.6	84.7	85.2	85.2	85.2	85.2	85.6	85.6	85.8	86.4
>= 700	48.9	66.1	72.0	77.5	81.0	82.3	83.7	85.3	85.3	86.4	87.0	87.0	87.0	87.0	87.4	87.4	87.6	88.2
>= 600	49.0	66.3	72.5	78.3	81.9	83.4	85.2	87.1	87.1	88.5	89.0	89.0	89.0	89.0	89.5	89.5	89.6	90.2
>= 500	49.0	66.6	72.7	78.7	82.4	84.0	86.3	88.4	88.4	90.1	90.7	90.7	90.7	90.7	91.2	91.2	91.3	91.9
>= 400	49.0	66.7	72.9	79.2	83.1	85.0	87.7	90.5	90.5	92.5	93.1	93.1	93.1	93.1	93.6	93.6	93.7	94.3
>= 300	49.0	66.7	72.9	79.2	83.1	85.0	87.7	90.9	91.2	93.5	94.4	94.4	94.4	94.4	94.9	94.9	95.3	95.9
>= 200	49.0	66.7	72.9	79.3	83.2	85.1	87.8	91.0	91.0	94.0	94.9	94.9	94.9	94.9	95.5	95.5	96.2	96.9
>= 100	49.0	66.7	72.9	79.3	83.2	85.1	87.8	91.0	91.4	94.2	95.3	95.3	95.3	95.3	95.8	95.8	96.3	96.9
>= 0	49.0	66.7	72.9	79.3	83.2	85.1	87.8	91.0	91.4	94.2	95.3	95.3	95.3	95.3	95.9	95.9	97.2	100.0

TOTAL NO. OF OBS : 1166

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT
HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)														
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	42.2	50.8	52.4	53.6	55.1	55.3	55.7	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0
>=20000	43.7	53.1	54.8	56.0	57.6	57.8	58.2	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5
>=18000	43.7	53.1	54.8	56.0	57.6	57.8	58.2	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5
>=16000	43.7	53.1	54.8	56.0	57.6	57.8	58.2	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5
>=14000	44.3	53.8	55.5	56.8	58.4	58.5	59.0	59.0	59.0	59.3	59.3	59.3	59.3	59.3	59.3
>=12000	45.2	55.0	56.9	58.3	59.8	60.0	60.4	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8
>=10000	47.0	57.9	60.0	61.5	63.1	63.2	63.7	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0
>=9000	48.0	59.4	61.5	63.1	64.6	64.6	65.2	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6
>=8000	48.6	60.6	62.8	64.4	66.2	66.3	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1
>=7000	49.2	61.5	63.8	65.4	67.1	67.3	67.7	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1
>=6000	49.4	62.0	64.4	66.2	68.0	68.1	68.6	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0
>=5000	50.3	63.3	65.6	67.5	69.2	69.4	69.8	69.9	69.9	70.3	70.3	70.3	70.3	70.3	70.3
>=4500	51.2	64.5	66.9	68.8	70.5	70.7	71.1	71.2	71.2	71.6	71.6	71.6	71.6	71.6	71.6
>=4000	52.4	66.1	68.6	70.5	72.2	72.4	72.8	72.9	72.9	73.3	73.3	73.3	73.3	73.3	73.3
>=3500	54.2	68.6	71.2	73.2	74.9	75.1	75.5	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9
>=3000	55.8	70.3	72.8	74.8	76.6	76.8	77.2	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7
>=2500	57.4	72.3	74.9	76.9	78.8	79.0	79.4	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9
>=2000	58.8	74.2	77.0	79.2	81.1	81.2	81.7	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3
>=1800	59.1	74.8	77.6	79.9	81.7	81.9	82.4	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
>=1500	60.2	76.6	79.8	82.3	84.1	84.3	84.9	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4
>=1200	60.5	77.6	81.1	83.9	85.9	86.0	86.6	86.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2
>=1000	61.0	78.7	82.2	85.2	87.3	87.5	88.1	88.3	88.3	88.8	88.8	88.8	88.8	88.8	88.8
>=900	61.2	79.0	82.7	86.3	88.4	88.7	89.4	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.1
>=800	61.4	79.6	83.5	87.2	89.7	90.1	91.0	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8
>=700	61.4	79.9	84.0	88.0	90.7	91.3	92.2	92.6	92.6	93.1	93.1	93.1	93.1	93.1	93.1
>=600	61.4	80.2	84.3	88.5	91.6	92.4	93.8	94.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8
>=500	61.4	80.4	84.7	88.9	92.2	93.2	94.9	95.7	95.8	96.2	96.3	96.3	96.3	96.3	96.3
>=400	61.4	80.4	84.7	89.1	92.5	93.7	95.8	97.0	97.1	97.9	98.0	98.0	98.0	98.0	98.0
>=300	61.4	80.4	84.7	89.1	92.5	93.7	95.9	97.2	97.3	98.4	98.5	98.5	98.5	98.5	98.5
>=200	61.4	80.4	84.7	89.1	92.5	93.7	96.1	97.4	97.5	98.7	98.9	99.1	99.2	99.4	99.4
>=100	61.4	80.4	84.7	89.1	92.5	93.8	96.1	97.6	97.7	98.9	99.1	99.1	99.5	99.7	99.9
>=0	61.4	80.4	84.7	89.1	92.5	93.8	96.1	97.6	97.7	98.9	99.1	99.1	99.5	99.8	100.0

TOTAL NO. OF OBS : 1167

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT
HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	46.2	53.7	55.2	56.4	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
>=20000	48.9	57.3	58.7	60.0	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
>=18000	49.0	57.4	58.8	60.1	60.4	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
>=16000	49.0	57.4	58.8	60.1	60.4	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
>=14000	49.4	57.8	59.2	60.5	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
>=12000	50.5	59.2	60.7	62.0	62.3	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
>=10000	52.0	61.1	62.8	64.2	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
>=9000	52.9	62.2	63.9	65.3	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
>=8000	54.0	63.5	65.4	66.9	67.2	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
>=7000	54.9	64.6	66.6	68.0	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
>=6000	55.4	65.3	67.4	68.9	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
>=5000	56.7	66.9	69.0	70.5	70.9	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
>=4500	58.6	69.0	71.1	72.6	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
>=4000	60.4	71.1	73.4	74.9	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>=3500	63.2	74.4	76.7	78.2	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
>=3000	65.1	76.8	79.4	81.0	81.4	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
>=2500	66.5	78.6	81.3	82.9	83.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
>=2000	67.8	80.7	83.7	85.4	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
>=1800	68.0	81.3	84.2	85.9	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
>=1500	68.6	82.4	85.4	87.2	87.9	88.2	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
>=1200	69.2	83.8	86.8	88.9	89.8	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
>=1000	69.5	84.9	88.0	90.2	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
>=900	69.6	85.3	88.4	90.8	91.8	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
>=800	69.7	85.6	88.9	91.7	92.8	93.4	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
>=700	69.8	85.9	89.9	93.2	94.3	94.9	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
>=600	69.8	86.0	89.9	93.3	94.6	95.2	96.0	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
>=500	69.8	86.0	90.0	93.6	94.8	95.4	96.6	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9
>=400	69.8	86.0	90.0	93.6	95.1	95.9	97.2	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8
>=300	69.8	86.0	90.0	93.6	95.1	96.0	97.4	98.3	99.1	99.5	99.5	99.7	99.7	99.7	99.7
>=200	69.8	86.0	90.0	93.6	95.1	96.0	97.4	98.3	99.3	99.7	99.7	99.9	100.0	100.0	100.0
>=100	69.8	86.0	90.0	93.6	95.1	96.0	97.4	98.3	99.3	99.7	99.7	99.9	100.0	100.0	100.0
>=0	69.8	86.0	90.0	93.6	95.1	96.0	97.4	98.3	99.3	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NO. OF OBS : 1163

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT
HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8
UNLIMIT	48.5	55.6	57.4	58.0	58.3	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
>=20000	50.6	58.7	60.6	61.3	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
>=18000	50.6	58.9	60.8	61.5	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
>=16000	50.6	59.0	60.9	61.6	61.9	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
>=14000	51.0	59.3	61.2	62.0	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
>=12000	53.4	62.2	64.3	65.0	65.5	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
>=10000	54.8	63.9	66.0	66.8	67.3	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
>=9000	55.5	64.9	67.0	67.9	68.3	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
>=8000	56.6	66.6	69.0	69.9	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
>=7000	57.6	67.8	70.2	71.1	71.5	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
>=6000	58.2	68.8	71.2	72.2	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
>=5000	59.9	70.9	73.3	74.4	74.8	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
>=4500	61.3	72.4	74.9	76.1	76.6	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
>=4000	63.1	74.4	77.1	78.5	78.9	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
>=3500	64.4	76.0	78.6	80.1	80.5	80.7	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
>=3000	65.3	77.1	79.8	81.3	81.8	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
>=2500	66.7	78.7	81.6	83.2	83.8	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
>=2000	67.5	79.9	82.9	84.6	85.4	85.8	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
>=1800	67.9	80.6	83.6	85.4	86.1	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
>=1500	68.4	81.9	85.0	86.7	87.5	88.1	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
>=1200	69.3	83.7	87.3	89.1	89.9	90.5	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
>=1000	69.5	84.4	88.2	90.3	91.1	92.0	92.2	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
>=900	69.5	84.8	88.7	91.0	91.9	92.8	93.0	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
>=800	69.5	85.0	89.0	91.4	92.4	93.3	93.6	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
>=700	69.5	85.3	89.4	91.9	93.3	94.3	94.9	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5
>=600	69.5	85.4	89.5	92.2	93.7	94.7	95.3	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
>=500	69.6	85.5	89.7	92.5	94.1	95.3	96.3	97.2	97.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9
>=400	69.6	85.5	89.7	92.5	94.2	95.4	96.5	97.4	97.4	98.3	98.6	98.6	98.6	98.6	98.6	98.6
>=300	69.6	85.5	89.7	92.5	94.2	95.4	96.5	97.7	97.7	98.7	99.1	99.1	99.2	99.2	99.2	99.2
>=200	69.6	85.5	89.7	92.5	94.2	95.5	96.6	97.8	97.8	98.9	99.4	99.4	99.6	99.6	99.6	99.6
>=100	69.6	85.5	89.7	92.5	94.2	95.5	96.6	97.8	97.8	98.9	99.6	99.6	99.9	99.9	99.9	99.9
>=0	69.6	85.5	89.7	92.5	94.2	95.5	96.6	97.8	97.8	98.9	99.6	99.6	99.9	99.9	99.9	99.9

TOTAL NO. OF OBS : 1161

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16
UNLIMIT	48.9	55.1	56.5	57.9	58.2	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.8	58.8
>=20000	50.8	57.7	59.3	60.8	61.2	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.8	61.8
>=18000	51.1	58.0	59.6	61.0	61.5	61.7	61.7	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.1	62.1
>=16000	51.2	58.0	59.7	61.1	61.6	61.8	61.8	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.2	62.2
>=14000	51.6	58.7	60.4	61.8	62.3	62.5	62.5	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.9	62.9
>=12000	52.5	60.0	61.7	63.2	63.6	63.9	63.9	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.2	64.2
>=10000	55.0	63.0	64.7	66.2	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3
>= 9000	56.1	64.3	66.0	67.6	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7
>= 8000	57.1	65.8	67.7	69.4	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.5	70.5
>= 7000	58.5	67.4	69.3	71.0	71.5	71.8	71.8	71.9	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1
>= 6000	59.2	68.4	70.2	72.0	72.5	72.7	72.7	72.8	72.8	72.8	72.8	73.0	73.0	73.0	73.1	73.1
>= 5000	61.1	70.4	72.4	74.3	74.8	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.4
>= 4500	62.3	71.8	73.9	75.8	76.4	76.7	76.7	76.8	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0
>= 4000	63.2	73.0	75.2	77.1	77.7	78.0	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.4	78.4
>= 3500	64.1	74.5	76.9	78.9	79.5	79.8	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.2	80.2
>= 3000	65.4	75.9	78.6	80.8	81.4	81.7	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.1	82.1
>= 2500	66.0	77.1	79.8	82.1	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.3	83.3	83.3	83.4	83.4
>= 2000	66.9	78.3	81.0	83.4	84.1	84.4	84.4	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.8	84.8
>= 1800	67.3	78.9	81.6	84.0	84.7	85.0	85.0	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.4	85.4
>= 1500	67.7	79.9	82.6	85.0	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.5	86.5
>= 1200	68.3	80.9	83.9	86.5	87.4	87.7	87.8	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.1	88.1
>= 1000	68.4	81.3	84.7	87.4	88.3	88.7	88.7	88.8	88.8	88.8	88.8	89.1	89.1	89.1	89.2	89.2
>= 900	68.5	81.9	85.5	88.6	89.6	90.1	90.1	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7
>= 800	68.8	82.5	86.2	89.7	90.9	91.5	91.5	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.3	92.3
>= 700	69.0	83.2	87.2	90.9	92.2	92.9	92.9	93.3	93.3	93.3	93.3	93.6	93.6	93.6	93.8	93.8
>= 600	69.0	83.7	87.8	91.5	92.9	93.8	93.8	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.9	95.0
>= 500	69.1	83.8	88.3	92.3	93.9	94.8	94.8	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.4	96.4
>= 400	69.1	83.9	88.4	92.5	94.3	95.4	95.4	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.6	97.6
>= 300	69.1	83.9	88.4	92.6	94.4	95.4	95.4	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.6	97.6
>= 200	69.1	83.9	88.4	92.6	94.4	95.4	95.4	97.0	97.0	97.0	97.0	97.6	97.6	97.6	98.8	98.8
>= 100	69.1	83.9	88.4	92.6	94.4	95.4	95.4	97.0	97.0	97.0	97.0	97.6	97.6	97.6	99.2	99.2
>= 0	69.1	83.9	88.4	92.6	94.4	95.4	95.4	97.0	97.0	97.0	97.0	97.6	97.6	97.6	99.7	99.7

TOTAL NO. OF OBS : 1163

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																		
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	46.6	53.4	54.8	55.6	55.9	56.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.5
>=20000	49.5	55.6	57.0	57.9	58.2	58.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.9
>=18000	48.7	55.8	57.1	58.1	58.3	58.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.0	60.0	60.0	60.1
>=16000	48.8	55.9	57.2	58.2	58.4	58.7	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.1	60.1	60.1	60.2
>=14000	49.5	56.7	58.1	59.0	59.3	59.6	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.0
>=12000	50.3	57.7	59.1	60.1	60.3	60.6	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0
>=10000	52.2	59.8	61.5	62.5	62.7	63.0	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.4	64.4	64.4	64.5
>= 9000	53.4	61.3	63.0	63.9	64.2	64.5	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.9
>= 8000	54.4	62.7	64.6	65.6	65.8	66.1	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.6
>= 7000	55.5	64.4	66.4	67.4	67.6	67.9	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.4
>= 6000	56.5	65.4	67.4	68.5	68.8	69.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.5
>= 5000	58.0	67.3	69.4	70.6	71.3	71.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	73.0
>= 4500	59.1	68.8	70.9	72.1	72.8	73.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.6
>= 4000	60.8	70.9	73.1	74.4	75.0	75.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.8	76.8	76.9
>= 3500	61.7	72.5	74.9	76.2	76.9	77.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.7
>= 3000	62.7	73.8	76.1	77.5	78.1	78.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9
>= 2500	63.9	75.2	77.6	79.1	79.8	80.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.6
>= 2000	64.7	76.5	78.9	80.4	81.1	81.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.9
>= 1800	65.1	77.1	79.6	81.2	81.8	82.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.6	83.6
>= 1500	65.6	77.6	80.2	81.8	82.5	82.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.3
>= 1200	66.3	78.9	81.7	83.4	84.2	84.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	86.0
>= 1000	66.7	79.7	82.7	84.5	85.3	85.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.1
>= 900	66.9	80.3	83.5	85.5	86.5	86.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4	88.5
>= 800	67.0	80.9	84.3	86.5	87.5	88.0	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6	89.6	89.6	89.7
>= 700	67.1	82.1	85.6	88.4	89.6	90.0	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.8	91.8	91.8	91.9
>= 600	67.4	82.4	86.1	89.4	90.8	91.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0	93.0	93.0	93.2
>= 500	67.5	82.7	86.5	89.9	91.7	92.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.1	94.1	94.1	94.5
>= 400	67.6	82.8	86.6	90.4	92.9	93.6	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.1	96.1	96.1	96.5
>= 300	67.6	82.8	86.7	90.4	93.1	94.1	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.2	97.2	97.2	97.6
>= 200	67.6	82.8	86.7	90.4	93.1	94.1	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.6	97.6	97.6	98.2
>= 100	67.6	82.8	86.7	90.4	93.1	94.1	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	98.1	98.1	98.1	98.9
>= 0	67.6	82.8	86.7	90.4	93.1	94.1	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	98.3	98.3	98.3	99.3
																			100.0

TOTAL NO. OF OBS : 1162

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : OCT
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4
UNLIMIT	43.7	51.2	53.0	54.5	55.3	55.5	55.9	56.2	56.2	56.2	56.2	56.4	56.5	56.7	56.7	56.7
>=20000	45.5	53.7	55.6	57.2	58.0	58.2	58.6	58.9	58.9	58.9	59.0	59.2	59.3	59.4	59.4	59.5
>=18000	45.6	53.8	55.7	57.3	58.1	58.3	58.7	59.0	59.0	59.0	59.2	59.4	59.4	59.5	59.5	59.7
>=16000	45.6	53.8	55.7	57.3	58.1	58.4	58.7	59.0	59.0	59.0	59.2	59.4	59.4	59.5	59.6	59.8
>=14000	46.0	54.4	56.3	57.9	58.7	59.0	59.4	59.6	59.6	59.6	59.9	60.0	60.0	60.2	60.2	60.4
>=12000	47.2	55.8	57.9	59.5	60.3	60.6	61.0	61.2	61.2	61.2	61.5	61.6	61.6	61.8	61.8	62.0
>=10000	49.3	58.3	60.5	62.2	63.1	63.3	63.8	64.0	64.0	64.0	64.3	64.4	64.4	64.6	64.6	64.8
>=9000	50.2	59.6	61.8	63.5	64.4	64.7	65.1	65.4	65.4	65.4	65.6	65.7	65.7	65.9	65.9	66.1
>=8000	51.4	61.1	63.5	65.3	66.2	66.5	66.9	67.2	67.2	67.2	67.5	67.6	67.6	67.8	67.9	68.0
>=7000	52.4	62.4	64.9	66.7	67.7	68.0	68.4	68.7	68.7	68.7	69.0	69.1	69.1	69.3	69.4	69.6
>=6000	53.0	63.3	65.8	67.7	68.7	69.0	69.5	69.7	69.7	69.7	70.0	70.1	70.1	70.3	70.4	70.6
>=5000	54.0	65.1	67.7	69.7	70.8	71.0	71.5	71.8	71.8	71.8	72.0	72.2	72.2	72.4	72.4	72.6
>=4500	55.5	66.4	69.1	71.1	72.2	72.5	73.0	73.2	73.2	73.2	73.5	73.6	73.6	73.8	73.9	74.1
>=4000	56.7	68.0	70.8	72.9	74.0	74.3	74.8	75.1	75.1	75.1	75.4	75.5	75.5	75.7	75.7	75.9
>=3500	58.0	69.7	72.5	74.6	75.8	76.1	76.6	76.8	76.9	76.9	77.1	77.3	77.3	77.5	77.5	77.7
>=3000	59.3	71.2	74.1	76.3	77.5	77.8	78.3	78.6	78.6	78.6	78.9	79.0	79.0	79.2	79.3	79.5
>=2500	60.4	72.8	75.7	78.0	79.2	79.5	80.0	80.4	80.4	80.4	80.7	80.8	80.8	81.0	81.0	81.3
>=2000	61.4	74.1	77.2	79.5	80.8	81.2	81.7	82.1	82.1	82.1	82.4	82.5	82.5	82.7	82.8	83.0
>=1800	61.8	74.7	77.8	80.1	81.4	81.8	82.4	82.7	82.7	82.7	83.0	83.2	83.2	83.4	83.4	83.6
>=1500	62.3	75.7	79.0	81.4	82.7	83.1	83.7	84.1	84.1	84.1	84.4	84.5	84.5	84.7	84.8	85.0
>=1200	62.9	77.0	80.4	83.0	84.5	84.9	85.5	85.9	85.9	85.9	86.2	86.4	86.4	86.6	86.6	86.8
>=1000	63.3	77.9	81.5	84.2	85.8	86.3	86.9	87.3	87.3	87.3	87.6	87.8	87.8	88.0	88.0	88.2
>=900	63.4	78.3	82.0	85.0	86.7	87.3	87.9	88.3	88.3	88.3	88.7	88.8	88.8	89.0	89.1	89.3
>=800	63.6	78.7	82.6	85.8	87.6	88.2	89.0	89.4	89.5	89.5	89.9	90.0	90.0	90.2	90.3	90.5
>=700	63.6	79.2	83.3	86.9	88.9	89.6	90.5	91.0	91.0	91.0	91.4	91.6	91.6	91.8	91.9	92.1
>=600	63.7	79.4	83.7	87.5	89.7	90.5	91.6	92.2	92.2	92.2	92.7	92.9	92.9	93.1	93.2	93.4
>=500	63.7	79.6	84.0	87.9	90.4	91.2	92.7	93.5	93.6	94.1	94.4	94.4	94.4	94.6	94.7	94.9
>=400	63.7	79.7	84.1	88.3	91.0	92.0	93.8	94.8	94.9	95.7	96.0	96.0	96.0	96.2	96.3	96.5
>=300	63.7	79.7	84.2	88.4	91.1	92.2	94.2	95.5	95.6	96.6	97.0	97.0	97.0	97.2	97.3	97.6
>=200	63.7	79.7	84.2	88.5	91.2	92.3	94.3	95.7	95.8	97.1	97.6	97.6	97.6	98.0	98.2	98.4
>=100	63.7	79.7	84.2	88.5	91.2	92.3	94.3	95.7	95.9	97.4	97.9	97.9	98.0	98.4	98.5	98.8
>=0	63.7	79.7	84.2	88.5	91.2	92.3	94.3	95.7	95.9	97.4	97.9	98.0	98.0	98.4	98.6	99.0

TOTAL NO. OF OBS : 9326

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV
HOUR : C100 LST

PERCENTAGE FREQUENCY OF WIND
DIRECTION VS SPEED
(FROM HOURLY OBSERVATIONS)

16 PT. DIR.	SPEED (KNOTS)																TOTAL %	MEAN	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56							WIND	SPEED
N	.9	2.7	3.8	2.2	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	.0	9.0	
NNE	.1	1.1	2.3	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	9.3	
NE	.2	1.2	1.2	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	.0	8.6	
ENE	.3	.9	.5	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	8.0	
E	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	8.0	
ESE	.0	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	9.0	
SE	.2	.5	.4	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	9.4	
SSE	.1	.7	1.1	.0	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.3	.0	9.8	
S	.9	2.5	2.2	1.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0	7.8	
SSW	.4	2.0	1.8	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	8.2	
SW	1.2	2.0	2.3	1.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0	8.5	
WSW	.6	2.4	2.8	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	7.7	
W	.5	3.7	3.6	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	.0	7.9	
WNW	.9	3.0	3.0	1.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	.0	8.2	
NW	.4	3.9	2.7	2.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	.0	8.1	
NNW	.2	3.1	2.8	2.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	.0	8.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0	
ALL	6.9	30.3	31.0	17.8	4.3	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	100.0	.0	7.7	

TOTAL NO. OF OBS : 1138

NOTES :
* = PERCENT < .05

1 - SURFACE WINDS

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 0400 LST

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN WIND SPEED
	1-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64-70	71-77	78-84	85-91	92-99	100-109		
N	.7	2.8	5.1	2.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	8.4
NNE	.2	.7	2.0	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	9.9
NE	.1	.9	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.6
ENE	.3	1.3	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	8.2
E	.0	.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.5
ESE	.0	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.1
SE	.1	.6	.4	.4	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	10.5
SSE	.4	1.1	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.2
S	.5	2.1	1.8	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	8.5
SSW	.1	1.6	.7	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	9.4
SW	1.3	1.8	3.1	1.8	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	8.0
WSW	.7	2.0	2.7	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	7.8
W	1.0	3.7	3.1	1.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	7.7
WNW	.6	2.4	2.7	1.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	8.4
NW	.5	4.0	3.3	1.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	8.2
NNW	.5	2.9	2.9	1.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	8.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.3	.0
ALL	6.9	28.3	31.8	18.5	2.7	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7.5

TOTAL NO. OF OBS : 1137

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
16 PT. 1 - 31 4 - 61 7-101 11-161 17-211 22-271 28-331 34-401 41-471 48-551 >=561																%	WIND																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
DIR.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483

TOTAL NO. OF OBS : 1138

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL		MEAN WIND SPEED
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	3	4	5	6	7	8	9	
N	.1	2.1	5.1	5.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.3
NNE	.1	1.4	2.8	2.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5
NE	.4	1.1	2.2	1.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2
ENE	.1	.4	.7	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9
E	.3	.4	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
ESE	.2	.6	.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9
SE	.5	.7	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5
SSE	.2	1.0	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6
S	.6	.8	2.1	1.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9
SSW	.2	.9	.9	2.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5
SW	.7	1.3	1.1	3.0	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5
WSW	.4	.3	1.8	3.6	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.3
W	.4	.8	2.5	3.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
WNW	.3	.6	2.1	3.3	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0
NW	.5	.4	2.2	4.9	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.0
NNW	.2	1.1	1.8	4.0	1.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	5.0	13.7	27.9	27.9	8.4	2.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	10.4	

TOTAL NO. OF OBS : 1138

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 1300 LST

CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)																TOTAL		MEAN	
16 PT.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	%	%	%	%	WIND	SPEED
DIR.																					
N		.1	1.1			3.2	4.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	10.8
NNE		.0	.7			1.9	2.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	10.4
NE		.4	.6			2.1	1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	10.3
ENE		.0	.6			1.2	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	9.5
E		.4	.4			1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	8.0
ESE		.2	.7			.6	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.8
SE		.4	1.2			1.7	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	8.3
SSE		.3	1.2			2.3	1.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	9.0
S		.5	.9			2.4	2.1	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	11.1
SSW		.3	.5			1.1	2.9	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	13.7
SW		.1	.5			1.1	4.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	13.1
WSW		.0	.5			2.1	2.5	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	12.6
W		.0	.5			2.5	3.0	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	12.1
WNW		.0	.5			1.9	5.2	2.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	14.0
NW		.0	.4			2.3	6.6	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	12.8
NNW		.2	.3			2.0	3.7	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	13.0
VAR		.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM		.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
ALL		2.7	10.8			29.6	42.4	10.0	3.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	11.6

TOTAL NO. OF OBS : 1138

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : NOV
 CLASS : ALL WEATHER HOUR : 1600 LST
 CONDITION : NONE SPECIFIED

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN	
DIR.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%		SPEED				
N		.3	1.3			3.1	2.8	.3	.2	.0	.0	.0	.0	.0	7.9	10.1					
NNE		.1	.8			1.6	1.4	.1	.1	.0	.0	.0	.0	.0	4.0	10.0					
NE		.3	1.0			2.6	.9	.4	.2	.0	.0	.0	.0	.0	5.3	9.4					
NNE		.2	.4			1.4	.6	.0	.1	.0	.0	.0	.0	.0	2.7	8.8					
E		.0	.7			.8	.8	.0	.0	.0	.0	.0	.0	.0	2.3	8.9					
ESE		.5	.4			.7	.4	.1	.2	.0	.0	.0	.0	.0	2.3	8.8					
SE		.2	1.6			1.5	.4	.0	.0	.0	.0	.0	.0	.0	3.6	7.0					
SSE		.4	1.9			2.7	1.3	.2	.0	.1	.0	.0	.0	.0	6.6	8.4					
S		.4	1.6			5.2	2.5	.4	.2	.0	.0	.0	.0	.0	10.3	9.6					
SSW		.0	1.0			2.1	2.4	.8	.0	.2	.0	.0	.0	.0	6.4	11.5					
SW		.2	.6			2.2	3.3	.6	.1	.0	.0	.0	.0	.0	7.0	11.3					
WSW		.1	.5			2.2	2.7	.3	.1	.0	.0	.0	.0	.0	5.9	10.7					
W		.1	1.1			2.4	2.7	.7	.2	.0	.0	.0	.0	.0	7.2	10.8					
WNW		.1	1.2			3.2	5.7	1.0	.2	.0	.0	.0	.0	.0	11.4	11.5					
NW		.0	1.3			3.8	3.1	1.0	.1	.0	.0	.0	.0	.0	9.2	10.9					
NNW		.0	.6			2.0	3.2	.6	.2	.0	.0	.0	.0	.0	6.7	11.7					
VAR		.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					
CLM		.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0					
ALL		2.6	16.2			37.5	74.2	6.3	1.7	.3	.0	.0	.0	.0	100.0	10.2					

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT. 1 1 - 3 4 - 6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 >56																%	WIND
DIR.	1	2	3	4	5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56		SPEED
N	.1	1.4	2.8	1.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	9.2
NNE	.0	.8	1.8	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	10.1
NE	.3	1.4	1.4	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	8.2
ENE	.1	1.1	1.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	8.8
E	.0	.8	1.2	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.4
ESE	.2	.6	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.5
SE	.5	1.2	.8	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.7
SSE	.2	2.1	1.0	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	8.0
S	.4	4.0	3.3	1.4	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	9.7	8.3
SSW	.2	2.5	2.8	1.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.8	8.3
SW	.7	2.9	2.8	1.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	7.9
WSW	.9	2.1	2.5	1.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	8.0
W	.4	4.0	3.8	1.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	7.7
WNW	.4	1.8	3.9	2.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	9.5
NW	.4	1.5	3.2	2.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	10.0
NNW	.1	1.9	2.5	2.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	10.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0
ALL	4.7	30.6	35.2	20.4	3.9	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	100.0	8.3

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

019765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. 1		1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
DIR.		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N	.3	2.2	3.3	2.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	9.4
NNE	.3	1.0	1.8	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	9.0
NE	.4	.7	1.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.5
ENE	.0	.7	1.0	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	9.7
E	.2	.5	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.5
ESE	.2	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	9.6
SE	.2	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	11.2
SSE	.4	1.5	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.9	7.0
S	.4	3.1	1.9	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	8.8
SSW	.8	1.3	1.1	1.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	4.9	9.0
SW	1.1	2.4	2.9	1.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	8.3	8.1
WSW	.7	3.0	2.8	1.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	8.8	8.1
W	1.1	3.4	3.6	1.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	7.7
WNW	.4	2.8	3.6	2.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	8.6
NW	.7	2.5	2.9	2.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	8.7	8.8
NNW	.5	2.0	3.2	2.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	.0
ALL	7.7	27.7	31.7	21.8	3.7	.4	.2	.3	.0	.0	.0	.0	.0	.0	100.0	8.1

TOTAL NO. OF OBS : 1139

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT.	1	1 - 3	4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND	SPEED		
DIR.																	
N	.3	2.2	4.0	3.1	.3	.1	.0	.0	.0	.0	.0	10.0	9.5				
NNE	.1	.9	2.1	1.5	.2	.1	.0	.0	.0	.0	.0	4.9	9.7				
NE	.3	1.0	1.7	.9	.2	.1	.0	.0	.0	.0	.0	4.1	8.9				
ENE	.1	.7	.9	.5	.1	.1	.0*	.0	.0	.0	.0	2.5	9.2				
E	.1	.4	.7	.3	.0*	.0	.0*	.0	.0	.0	.0	1.6	8.0				
ESE	.2	.5	.3	.3	.0*	.0*	.0*	.0	.0	.0	.0	1.4	8.8				
SE	.3	.8	.8	.4	.1	.1	.0*	.0*	.0	.0	.0	2.4	8.3				
SSE	.3	1.2	1.4	.8	.1	.0*	.0*	.0	.0	.0	.0	3.9	8.4				
S	.5	2.2	2.7	1.5	.4	.1	.0*	.0*	.0	.0	.0	7.6	9.0				
SSW	.3	1.4	1.5	1.7	.4	.2	.1	.0	.0	.0	.0	5.5	10.2				
SW	.8	1.8	2.2	2.4	.5	.2	.0*	.0	.0	.0	.0	7.8	9.4				
WSW	.5	1.5	2.5	2.1	.4	.1	.0*	.0	.0	.0	.0	7.1	9.4				
W	.6	2.6	3.2	2.2	.5	.1	.0	.0	.0	.0	.0	9.0	8.8				
WNW	.4	1.9	2.9	3.0	.9	.2	.0	.0	.0	.0	.0	9.3	10.3				
NW	.4	2.2	3.0	3.2	.6	.1	.0	.0	.0	.0	.0	9.5	9.8				
NNW	.3	1.8	2.4	2.7	.7	.2	.0*	.0	.0	.0	.0	8.0	10.4				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0				
ALL	5.4	23.2	32.3	26.6	5.3	1.4	.2	.1	.0	.0	.0	100.0	8.9				

TOTAL NO. OF OBS : 9106

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV
HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	39.9	44.3	45.3	46.1	46.8	46.8	46.9	47.0	47.0	47.0	47.4	47.4	47.4	47.4	47.4	47.5	47.6
>=20000	41.3	45.8	47.0	47.9	48.5	48.5	48.7	48.8	48.8	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.4
>=18000	41.3	45.8	47.0	47.9	48.5	48.5	48.7	48.8	48.8	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.4
>=16000	41.3	45.8	47.0	47.9	48.5	48.5	48.7	48.8	48.8	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.4
>=14000	41.7	46.2	47.5	48.4	49.0	49.0	49.2	49.2	49.2	49.2	49.6	49.6	49.6	49.6	49.6	49.7	49.9
>=12000	43.2	48.1	49.3	50.2	50.8	50.8	51.0	51.1	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.6	51.7
>=10000	45.4	50.8	52.0	52.9	53.6	53.6	53.8	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.5
>=9000	46.5	52.1	53.3	54.2	54.9	54.9	55.1	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.8
>=8000	47.1	53.3	54.7	55.6	56.3	56.3	56.5	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.2
>=7000	48.8	55.2	56.5	57.7	58.4	58.4	58.6	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.4
>=6000	49.9	56.4	57.9	59.0	59.7	59.7	59.9	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.7
>=5000	52.5	59.4	60.9	62.1	62.9	62.9	63.1	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.9
>=4500	54.2	61.7	63.2	64.5	65.3	65.3	65.5	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.3
>=4000	55.7	63.8	65.4	66.9	67.7	67.7	68.0	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.8
>=3500	57.1	65.7	67.4	69.1	69.9	69.9	70.3	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.9	71.1
>=3000	58.6	67.7	69.6	71.4	72.2	72.2	72.6	72.8	72.8	73.1	73.1	73.1	73.1	73.2	73.2	73.3	73.5
>=2500	59.9	69.8	71.8	73.7	74.5	74.5	74.9	75.1	75.1	75.4	75.4	75.4	75.4	75.5	75.5	75.6	75.8
>=2000	61.5	72.3	74.5	76.5	77.3	77.3	77.6	77.8	77.8	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.5
>=1800	62.4	73.5	75.7	77.6	78.4	78.4	78.8	79.0	79.0	79.3	79.3	79.3	79.3	79.4	79.4	79.5	79.7
>=1500	63.3	75.4	78.2	80.3	81.1	81.1	81.5	81.6	81.6	82.0	82.0	82.0	82.0	82.1	82.1	82.2	82.3
>=1200	63.9	77.0	79.9	82.3	83.2	83.2	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.3	84.3	84.4	84.6
>=1000	64.5	78.5	81.5	84.2	85.3	85.3	85.6	85.9	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.4	86.6
>=900	64.7	79.1	82.3	85.4	86.5	86.5	87.0	87.2	87.2	87.6	87.6	87.6	87.6	87.7	87.7	87.8	87.9
>=800	64.8	79.6	82.8	86.5	87.9	88.0	88.6	88.8	88.8	89.2	89.2	89.2	89.2	89.3	89.3	89.4	89.5
>=700	65.0	79.9	83.1	87.1	88.7	88.9	89.5	89.9	89.9	90.2	90.2	90.2	90.2	90.3	90.3	90.4	90.6
>=600	65.3	80.7	84.0	88.3	90.1	90.3	91.0	91.4	91.4	91.8	91.8	91.8	91.8	91.9	91.9	92.0	92.3
>=500	65.3	80.7	84.5	88.8	90.9	91.2	92.0	92.5	92.5	92.9	92.9	92.9	92.9	93.0	93.0	93.1	93.3
>=400	65.3	80.9	84.9	89.6	91.9	92.5	93.5	94.0	94.0	94.5	94.5	94.5	94.5	94.6	94.6	94.8	95.0
>=300	65.3	81.0	85.1	90.0	92.4	93.0	94.3	95.1	95.3	96.0	96.1	96.1	96.1	96.2	96.2	96.4	96.6
>=200	65.3	81.0	85.1	90.1	92.5	93.2	94.9	95.9	96.1	97.2	97.4	97.4	97.4	97.5	97.5	97.7	98.0
>=100	65.3	81.0	85.1	90.1	92.5	93.2	95.2	96.2	96.4	97.7	98.0	98.0	98.0	98.4	98.5	98.8	99.0
>=0	65.3	81.0	85.1	90.1	92.5	93.2	95.2	96.2	96.4	97.7	98.0	98.0	98.0	98.5	98.8	99.4	100.0

TOTAL NO. OF OBS : 1127

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	39.6	44.4	45.0	46.1	46.7	46.7	47.3	47.6	47.8	47.9	48.1	48.1	48.2	48.2	48.4	48.5
>=20000	40.5	45.3	46.0	47.2	47.7	47.7	48.4	48.7	48.9	49.0	49.2	49.2	49.2	49.2	49.4	49.6
>=18000	40.5	45.3	46.0	47.2	47.7	47.7	48.4	48.7	48.9	49.0	49.2	49.2	49.2	49.2	49.4	49.6
>=16000	40.5	45.3	46.0	47.2	47.7	47.7	48.4	48.7	48.9	49.0	49.2	49.2	49.2	49.2	49.4	49.6
>=14000	41.0	45.9	46.7	47.9	48.4	48.4	49.1	49.4	49.6	49.7	49.9	49.9	50.0	50.0	50.1	50.3
>=12000	41.9	47.0	48.0	49.2	49.9	49.9	50.5	50.8	51.0	51.1	51.3	51.3	51.4	51.4	51.6	51.7
>=10000	44.1	50.0	51.1	52.4	53.1	53.7	54.0	54.2	54.3	54.5	54.5	54.5	54.6	54.6	54.8	54.9
>= 9000	45.3	51.6	52.7	54.0	54.7	54.7	55.3	55.6	55.8	55.9	56.1	56.1	56.2	56.2	56.4	56.5
>= 8000	47.4	54.1	55.3	56.6	57.2	57.2	57.9	58.2	58.4	58.6	58.8	58.8	58.8	58.8	59.0	59.2
>= 7000	48.7	56.1	57.3	58.7	59.3	59.3	59.9	60.4	60.5	60.7	60.9	60.9	61.0	61.0	61.2	61.3
>= 6000	49.2	56.7	58.0	59.3	59.9	59.9	60.5	61.0	61.2	61.3	61.5	61.5	61.6	61.6	61.8	62.0
>= 5000	51.5	59.6	61.0	62.3	62.9	62.9	63.6	64.0	64.2	64.4	64.5	64.5	64.6	64.6	64.8	65.0
>= 4500	52.8	61.2	62.7	64.2	64.8	64.8	65.4	65.9	66.0	66.2	66.4	66.4	66.5	66.5	66.7	66.8
>= 4000	54.4	63.7	65.2	66.8	67.6	67.6	68.2	68.6	68.8	69.0	69.2	69.2	69.2	69.2	69.4	69.6
>= 3500	56.2	65.7	67.3	69.0	69.9	69.9	70.5	70.9	71.1	71.3	71.5	71.5	71.6	71.6	71.7	71.9
>= 3000	58.0	68.3	70.0	71.6	72.5	72.5	73.2	73.7	73.9	74.0	74.2	74.2	74.3	74.3	74.5	74.7
>= 2500	59.8	70.4	72.2	74.0	74.9	74.9	75.7	76.2	76.4	76.6	76.8	76.8	76.9	76.9	77.1	77.2
>= 2000	60.6	71.6	73.6	75.6	76.4	76.4	77.2	77.7	77.9	78.2	78.4	78.4	78.5	78.5	78.7	78.8
>= 1800	61.2	72.4	74.3	76.4	77.2	77.2	78.0	78.5	78.7	79.0	79.2	79.2	79.3	79.3	79.5	79.6
>= 1500	62.4	74.3	76.4	78.5	79.5	79.5	80.4	80.9	81.1	81.4	81.6	81.6	81.7	81.7	81.9	82.0
>= 1200	62.9	75.8	78.0	80.4	81.5	81.5	82.4	82.9	83.1	83.5	83.6	83.6	83.7	83.7	83.9	84.1
>= 1000	63.1	76.8	79.2	81.8	83.1	83.1	84.1	84.7	84.9	85.2	85.4	85.4	85.5	85.5	85.7	85.9
>= 900	63.3	77.2	79.7	82.7	84.2	84.2	85.2	86.0	86.1	86.5	86.7	86.7	86.8	86.8	86.9	87.1
>= 800	63.4	77.6	80.1	83.6	85.3	85.3	86.6	87.3	87.5	87.8	88.0	88.0	88.1	88.1	88.3	88.4
>= 700	63.7	78.6	81.3	85.1	87.1	87.1	88.4	89.2	89.3	89.7	89.9	89.9	90.0	90.0	90.1	90.3
>= 600	63.7	78.9	81.9	86.1	88.4	88.4	90.0	90.8	91.0	91.4	91.6	91.6	91.6	91.6	91.8	92.0
>= 500	63.7	79.0	82.1	86.6	88.9	88.9	90.6	91.4	91.6	92.0	92.2	92.2	92.3	92.3	92.4	92.6
>= 400	63.8	79.2	82.5	87.1	89.9	89.9	92.0	93.0	93.2	93.7	93.9	93.9	94.0	94.0	94.1	94.3
>= 300	63.8	79.4	82.8	87.6	90.5	90.5	92.9	94.1	94.6	95.2	95.5	95.5	95.6	95.6	95.9	96.1
>= 200	63.8	79.4	82.8	87.8	90.8	90.8	91.1	93.4	94.8	95.4	96.9	96.9	97.4	97.4	97.8	98.0
>= 100	63.8	79.4	82.8	87.8	90.8	90.8	91.1	93.5	95.0	95.6	96.8	97.2	97.9	98.0	98.6	98.8
>= 0	63.8	79.4	82.8	87.8	90.8	90.8	91.1	93.5	95.0	95.6	96.8	97.2	98.0	98.2	99.0	100.0

TOTAL NO. OF OBS : 1125

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNL IMIT	35.1	41.6	43.1	45.1	45.8	46.0	46.4	46.8	46.8	47.2	47.3	47.3	47.3	47.5	47.5	47.5	47.6	47.7
>=20000	36.6	43.7	45.2	47.2	48.0	48.1	48.7	49.0	49.0	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.8	50.2
>=18000	36.6	43.7	45.2	47.2	48.0	48.1	48.7	49.0	49.0	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.8	50.2
>=16000	36.6	43.7	45.2	47.2	48.0	48.1	48.7	49.0	49.0	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.8	50.2
>=14000	37.2	44.6	46.1	48.0	48.9	49.1	49.6	50.0	50.0	50.4	50.5	50.5	50.5	50.7	50.7	50.7	50.8	51.2
>=12000	38.4	46.7	48.3	50.4	51.4	51.6	52.2	52.6	52.6	53.0	53.1	53.1	53.1	53.3	53.3	53.3	53.4	53.8
>=10000	40.7	49.6	51.3	53.6	55.0	55.2	55.8	56.1	56.1	56.6	56.7	56.7	56.7	56.9	56.9	56.9	56.9	57.4
>= 9000	41.5	50.9	52.7	55.2	56.7	56.9	57.5	57.8	57.8	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.6	59.1
>= 8000	42.6	52.5	54.3	56.9	58.4	58.5	59.3	59.6	59.6	60.1	60.1	60.1	60.1	60.3	60.3	60.3	60.5	60.9
>= 7000	43.6	53.7	55.9	58.7	60.1	60.3	61.0	61.4	61.4	61.8	61.9	61.9	61.9	62.1	62.1	62.1	62.3	62.7
>= 6000	44.1	54.5	56.7	59.5	60.9	61.1	61.8	62.2	62.2	62.6	62.7	62.7	62.7	62.9	62.9	62.9	63.1	63.5
>= 5000	45.7	56.5	58.9	61.8	63.3	63.5	64.2	64.6	64.6	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.6	66.0
>= 4500	46.5	57.5	60.1	63.2	64.7	64.9	65.6	65.9	65.9	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.9	67.3
>= 4000	47.4	58.7	61.5	64.8	66.6	66.8	67.5	68.0	68.0	68.4	68.5	68.5	68.5	68.7	68.7	68.7	69.0	69.4
>= 3500	48.9	60.8	63.6	67.2	69.1	69.3	70.0	70.6	70.6	71.1	71.2	71.2	71.2	71.4	71.4	71.4	71.6	72.1
>= 3000	50.6	62.9	65.8	69.6	71.5	71.7	72.4	73.0	73.0	73.5	73.6	73.6	73.6	73.8	73.8	73.8	74.0	74.5
>= 2500	51.4	64.1	67.3	71.1	73.0	73.2	73.9	74.5	74.5	75.0	75.1	75.1	75.1	75.3	75.3	75.3	75.5	76.0
>= 2000	52.7	65.8	69.0	73.1	75.3	75.4	76.2	76.8	76.8	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.8	78.3
>= 1800	52.8	66.1	69.5	73.8	76.1	76.2	77.0	77.6	77.6	78.2	78.3	78.3	78.3	78.5	78.5	78.5	78.7	79.2
>= 1500	53.4	66.9	70.4	74.7	77.0	77.2	78.0	78.6	78.6	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.7	80.2
>= 1200	54.2	68.4	72.2	76.7	79.4	79.6	80.4	81.0	81.0	81.7	81.8	81.8	81.8	81.9	81.9	81.9	82.2	82.7
>= 1000	54.4	69.6	73.5	78.3	81.2	81.6	82.4	83.0	83.1	84.0	84.1	84.1	84.1	84.3	84.3	84.3	84.5	85.1
>= 900	54.6	70.1	74.3	79.1	82.3	82.8	83.7	84.5	84.6	85.5	85.6	85.6	85.6	85.8	85.8	85.8	86.0	86.6
>= 800	54.7	70.7	75.1	80.2	83.6	84.2	85.1	85.9	86.0	86.9	87.0	87.0	87.0	87.2	87.2	87.2	87.5	88.0
>= 700	54.8	70.9	75.5	80.8	84.5	85.1	86.3	87.1	87.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5	88.8	89.3
>= 600	54.8	71.1	76.2	81.6	85.8	86.3	87.5	88.7	88.9	89.9	90.1	90.1	90.1	90.3	90.3	90.3	90.6	91.1
>= 500	54.8	71.1	76.5	82.2	86.5	87.0	88.3	89.7	89.9	90.9	91.1	91.1	91.1	91.3	91.3	91.3	91.5	92.1
>= 400	54.8	71.2	76.8	82.7	87.2	87.9	89.5	91.0	91.3	92.6	92.8	92.8	92.8	93.0	93.0	93.0	93.2	93.8
>= 300	54.8	71.3	77.0	83.0	87.7	88.5	90.4	92.2	92.5	94.5	94.7	94.7	94.7	94.8	94.8	94.8	95.1	95.6
>= 200	54.8	71.3	77.0	83.0	87.9	88.7	90.7	92.6	93.1	95.5	95.8	95.8	95.8	96.3	96.3	96.3	96.8	97.6
>= 100	54.8	71.3	77.0	83.0	87.9	88.7	90.7	92.7	93.2	95.6	96.0	96.1	96.1	96.5	96.5	96.5	97.9	98.9
>= 0	54.8	71.3	77.0	83.0	87.9	88.7	90.7	92.7	93.2	95.6	96.2	96.3	96.3	96.6	96.6	96.6	97.1	100.0

TOTAL NO. OF OBS : 1124

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	37.9	43.5	45.1	46.1	46.9	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.6	47.6	47.6
>=20000	41.0	47.4	49.2	50.4	51.2	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	52.0	52.0	52.0
>=18000	41.0	47.5	49.2	50.5	51.3	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.1	52.1	52.1
>=16000	41.0	47.5	49.2	50.5	51.3	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.1	52.1	52.1
>=14000	41.7	48.4	50.2	51.6	52.4	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.2	53.2	53.2
>=12000	42.7	50.1	52.2	53.6	54.4	54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.4	55.4	55.4
>=10000	43.8	52.2	54.6	56.1	56.9	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.9	57.9	57.9
>= 9000	44.3	52.9	55.4	57.0	57.8	58.2	58.4	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.8	58.9	58.9	58.9
>= 8000	45.4	54.5	57.1	59.0	59.9	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.9	61.0	61.0	61.0
>= 7000	46.0	55.7	58.6	60.7	61.6	62.1	62.3	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.7	62.8	62.8	62.8
>= 6000	46.7	56.5	59.4	61.6	62.6	63.0	63.4	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8
>= 5000	47.8	58.2	61.4	63.8	64.7	65.2	65.5	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.9	66.0	66.0	66.0
>= 4500	48.6	59.4	62.7	65.1	66.1	66.5	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.3	67.3	67.3
>= 4000	50.1	61.3	64.6	67.4	68.4	68.8	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.7	69.7	69.7
>= 3500	51.5	62.7	66.2	69.0	70.1	70.5	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.3	71.4	71.4	71.4
>= 3000	52.9	64.6	68.2	71.1	72.2	72.7	73.2	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.9	73.9	73.9
>= 2500	54.4	66.7	70.3	73.3	74.4	74.8	75.3	75.6	75.7	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0
>= 2000	55.7	68.6	72.4	75.5	76.6	77.0	77.6	77.8	77.9	78.0	78.0	78.1	78.1	78.1	78.2	78.3	78.3	78.3
>= 1800	56.3	69.5	73.6	76.8	77.9	78.4	78.9	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.6	79.6	79.6
>= 1500	57.0	70.9	75.1	78.5	79.7	80.1	80.7	81.1	81.1	81.2	81.4	81.5	81.5	81.5	81.6	81.7	81.7	81.7
>= 1200	58.3	73.0	77.5	80.9	82.2	82.9	83.5	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.4	84.5	84.5	84.5
>= 1000	58.6	74.4	78.9	82.8	84.1	84.9	85.7	86.2	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7
>= 900	58.9	75.2	80.0	84.2	85.8	86.5	87.3	87.8	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3
>= 800	59.3	76.4	81.2	85.6	87.1	88.0	89.0	89.5	89.6	89.8	89.8	89.9	89.9	89.9	90.0	90.1	90.1	90.1
>= 700	59.3	76.9	81.9	86.6	88.2	89.4	90.6	91.2	91.3	91.6	91.7	91.7	91.7	91.7	91.8	91.9	91.9	91.9
>= 600	59.4	77.4	82.7	87.6	89.5	90.7	92.2	93.0	93.1	93.5	93.6	93.6	93.6	93.6	93.7	93.8	93.8	93.8
>= 500	59.4	77.6	83.0	88.1	90.2	91.5	93.1	94.0	94.2	94.7	94.7	94.7	94.7	94.7	94.8	95.0	95.0	95.0
>= 400	59.4	77.6	83.1	88.3	90.6	92.1	94.1	95.4	95.6	96.6	96.6	96.8	96.8	96.8	96.9	97.1	97.1	97.1
>= 300	59.4	77.6	83.1	88.4	90.8	92.3	94.4	95.8	96.1	97.3	97.3	97.6	97.6	97.7	97.8	98.0	98.0	98.0
>= 200	59.4	77.6	83.1	88.4	90.9	92.4	94.6	96.2	96.4	98.0	98.0	98.4	98.4	98.5	98.8	99.2	99.2	99.3
>= 100	59.4	77.6	83.1	88.4	90.9	92.4	94.6	96.2	96.4	98.0	98.0	98.6	98.6	98.8	99.1	99.5	99.6	99.7
>= 0	59.4	77.6	83.1	88.4	90.9	92.4	94.6	96.2	96.4	98.0	98.0	98.6	98.6	98.8	99.1	99.5	99.6	100.0

TOTAL NO. OF OBS : 1123

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																	
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	38.4	43.3	44.3	44.6	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.3	45.3	45.3	45.3	45.4	45.4	45.4
>=20000	42.7	48.6	49.6	49.9	50.4	50.4	50.4	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8
>=18000	42.7	48.6	49.6	49.9	50.4	50.4	50.4	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8
>=16000	42.8	48.7	49.7	50.0	50.4	50.4	50.5	50.6	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9
>=14000	43.7	49.6	50.7	51.1	51.5	51.5	51.6	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0
>=12000	45.4	51.7	52.8	53.2	53.6	53.6	53.8	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2
>=10000	46.9	53.6	54.8	55.2	55.7	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2
>= 9000	47.5	54.7	56.0	56.4	56.8	56.8	57.0	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4
>= 8000	48.4	56.0	57.4	57.8	58.5	58.5	58.7	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1
>= 7000	49.3	57.3	58.6	59.1	59.8	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3
>= 6000	50.6	58.9	60.3	60.7	61.5	61.5	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0
>= 5000	52.2	61.0	62.4	63.0	63.7	63.7	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2
>= 4500	54.7	63.6	65.0	65.5	66.3	66.3	66.4	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8
>= 4000	56.0	65.5	67.1	67.7	68.5	68.5	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
>= 3500	57.5	67.4	69.2	69.7	70.6	70.6	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
>= 3000	60.6	71.4	73.3	73.9	74.8	74.8	75.0	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4
>= 2500	62.7	74.2	76.5	77.1	78.0	78.0	78.2	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
>= 2000	64.8	77.4	79.8	80.5	81.3	81.3	81.5	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2
>= 1800	65.4	78.2	80.6	81.3	82.2	82.2	82.5	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2
>= 1500	66.7	80.7	83.1	83.8	84.7	84.7	85.0	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
>= 1200	67.4	82.1	85.0	85.7	86.7	86.8	87.0	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9
>= 1000	67.9	83.2	86.4	87.2	88.2	88.4	88.7	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7
>= 900	67.9	83.8	87.1	88.1	89.3	89.5	89.9	90.3	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
>= 800	68.0	85.0	88.3	89.4	90.9	91.1	91.6	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
>= 700	68.1	85.3	88.8	90.3	92.3	92.5	93.3	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
>= 600	68.1	85.5	89.0	90.9	93.4	93.8	94.5	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7
>= 500	68.1	85.5	89.0	91.0	93.9	94.4	95.6	96.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0
>= 400	68.1	85.5	89.0	91.1	94.0	94.8	96.2	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
>= 300	68.1	85.5	89.1	91.2	94.2	95.0	96.6	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	99.3	99.3	99.3
>= 200	68.1	85.5	89.1	91.2	94.2	95.0	96.6	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	99.6	99.6	99.6
>= 100	68.1	85.5	89.1	91.2	94.2	95.0	96.6	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	99.8	99.8	99.8
>= 0	68.1	85.5	89.1	91.2	94.2	95.0	96.6	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	99.8	99.8	100.0

TOTAL NO. OF OBS : 1126

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : NOV
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	39.8	45.6	46.7	47.4	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
>=20000	43.0	49.7	51.0	51.7	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=18000	43.1	49.8	51.1	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=16000	43.1	49.8	51.1	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
>=14000	43.8	50.5	51.9	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
>=12000	45.2	52.6	54.0	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
>=10000	47.7	55.8	57.6	58.4	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
>= 9000	48.7	57.0	58.8	59.6	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
>= 8000	49.6	58.5	60.4	61.2	61.5	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>= 7000	50.5	59.9	61.9	62.7	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
>= 6000	51.1	60.8	62.9	63.7	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
>= 5000	52.4	62.6	64.8	65.6	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
>= 4500	54.1	64.7	66.9	67.7	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
>= 4000	56.5	67.2	69.5	70.5	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
>= 3500	58.0	69.2	71.7	72.7	72.9	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
>= 3000	59.6	71.6	74.2	75.2	75.4	75.6	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
>= 2500	62.7	75.2	77.9	79.0	79.3	79.6	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
>= 2000	63.8	77.1	79.8	81.1	81.4	81.7	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2
>= 1800	64.6	78.2	80.9	82.4	82.6	82.9	83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5
>= 1500	65.7	80.1	82.8	84.4	84.8	85.1	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7
>= 1200	66.1	81.5	84.4	86.2	86.7	87.1	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8
>= 1000	66.3	82.3	85.6	87.7	88.3	88.8	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4
>= 900	66.6	83.1	86.9	89.4	90.2	90.6	91.0	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5
>= 800	66.6	83.5	87.6	90.1	90.9	91.5	91.9	92.2	92.3	92.4	92.5	92.5	92.5	92.5	92.5
>= 700	66.6	83.8	88.4	91.2	92.1	92.7	93.3	93.5	93.6	94.0	94.1	94.1	94.1	94.1	94.1
>= 600	66.6	84.0	88.8	92.0	93.2	94.2	95.1	95.6	95.7	96.1	96.3	96.3	96.3	96.3	96.3
>= 500	66.7	84.1	89.1	92.4	93.6	94.8	96.0	96.5	96.6	97.2	97.5	97.5	97.5	97.5	97.5
>= 400	66.7	84.1	89.1	92.4	93.8	95.0	96.4	96.9	97.0	97.8	98.1	98.1	98.1	98.1	98.1
>= 300	66.7	84.1	89.1	92.4	93.9	95.1	96.6	97.2	97.3	98.2	98.7	98.7	98.7	98.7	98.7
>= 200	66.7	84.1	89.1	92.4	93.9	95.1	96.8	97.4	97.5	98.4	99.1	99.2	99.3	99.5	99.5
>= 100	66.7	84.1	89.1	92.4	93.9	95.1	96.8	97.4	97.5	98.4	99.1	99.2	99.3	99.4	99.6
>= 0	66.7	84.1	89.1	92.4	93.9	95.1	96.8	97.4	97.5	98.4	99.1	99.2	99.3	99.4	99.7

TOTAL NO. OF OBS : 1112

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV
HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	41.1	46.1	47.2	48.0	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5
>=20000	43.4	49.3	50.4	51.3	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8
>=18000	43.4	49.3	50.4	51.3	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8
>=16000	43.5	49.4	50.5	51.4	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9
>=14000	44.4	50.4	51.5	52.4	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9
>=12000	46.0	52.1	53.2	54.1	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
>=10000	49.0	55.8	57.1	58.1	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7
>= 9000	50.5	57.8	59.1	60.3	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9
>= 8000	51.6	59.5	60.9	62.0	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7
>= 7000	53.5	61.7	63.3	64.4	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1
>= 6000	54.4	62.8	64.4	65.5	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
>= 5000	56.2	65.2	67.0	68.2	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
>= 4500	57.2	66.6	68.4	69.7	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
>= 4000	58.2	68.0	69.9	71.1	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
>= 3500	60.1	70.1	72.0	73.2	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
>= 3000	61.7	72.0	73.9	75.2	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1
>= 2500	63.6	74.9	77.0	78.3	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3
>= 2000	65.5	77.2	79.6	81.0	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
>= 1800	66.4	78.3	80.7	82.2	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
>= 1500	67.1	79.6	82.2	83.8	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
>= 1200	67.7	80.6	83.4	85.1	86.0	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
>= 1000	68.0	81.5	84.6	86.4	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
>= 900	68.2	83.0	86.4	88.7	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
>= 800	68.4	83.9	87.6	90.0	91.2	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
>= 700	68.4	84.4	88.2	90.8	92.1	92.1	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
>= 600	68.4	84.8	88.8	91.7	93.3	93.3	94.1	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6
>= 500	68.5	85.2	89.2	92.5	94.3	94.3	95.2	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
>= 400	68.5	85.2	89.6	93.0	94.9	94.9	95.2	96.1	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
>= 300	68.5	85.2	89.6	93.3	95.4	95.4	95.9	96.9	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2
>= 200	68.5	85.2	89.6	93.3	95.6	95.6	96.1	97.2	98.1	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9
>= 100	68.5	85.2	89.6	93.3	95.6	95.6	96.1	97.2	98.1	98.2	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.3
>= 0	68.5	85.2	89.6	93.3	95.6	95.6	96.1	97.2	98.1	98.2	98.8	99.3	99.3	99.3	99.4	99.6	99.8	100.0

TOTAL NO. OF OBS : 1125

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV
HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	41.7	45.6	46.6	47.6	47.8	47.9	48.1	48.2	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.6
>=20000	43.9	48.2	49.2	50.1	50.4	50.6	50.8	50.8	50.8	51.0	51.1	51.1	51.2	51.2	51.2	51.3
>=18000	43.9	48.2	49.2	50.1	50.4	50.6	50.8	50.8	50.8	51.0	51.1	51.1	51.2	51.2	51.2	51.3
>=16000	44.0	48.4	49.3	50.3	50.6	50.8	50.9	51.0	51.0	51.2	51.3	51.3	51.4	51.4	51.4	51.5
>=14000	44.7	49.1	50.0	51.0	51.3	51.5	51.6	51.7	51.7	51.9	52.0	52.0	52.1	52.1	52.1	52.2
>=12000	46.3	51.1	52.1	53.1	53.4	53.6	53.8	53.8	53.8	54.0	54.1	54.1	54.2	54.2	54.2	54.3
>=10000	48.1	53.1	54.1	55.2	55.7	55.9	56.1	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.6
>=9000	49.5	54.6	55.7	56.9	57.4	57.6	57.8	57.9	57.9	58.1	58.2	58.2	58.3	58.3	58.3	58.4
>=8000	51.0	57.0	58.2	59.3	59.9	60.1	60.3	60.4	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.9
>=7000	53.1	59.5	60.7	62.0	62.5	62.8	63.0	63.0	63.0	63.2	63.3	63.3	63.5	63.5	63.5	63.6
>=6000	53.8	60.4	61.7	63.1	63.7	63.9	64.1	64.2	64.2	64.4	64.5	64.5	64.6	64.6	64.6	64.7
>=5000	55.9	63.0	64.5	65.9	66.4	66.7	66.8	66.9	66.9	67.1	67.2	67.2	67.4	67.4	67.4	67.5
>=4500	57.3	65.0	66.4	67.8	68.3	68.6	68.8	68.9	68.9	69.1	69.1	69.1	69.3	69.3	69.3	69.4
>=4000	58.4	66.5	67.9	69.3	69.8	70.1	70.3	70.4	70.4	70.6	70.6	70.6	70.8	70.8	70.8	70.9
>=3500	59.4	67.7	69.1	70.6	71.1	71.4	71.5	71.6	71.6	71.8	71.9	71.9	72.1	72.1	72.1	72.1
>=3000	61.2	70.3	71.8	73.3	73.8	74.1	74.3	74.4	74.4	74.5	74.6	74.6	74.8	74.8	74.8	74.9
>=2500	62.9	72.5	74.1	75.6	76.1	76.4	76.6	76.7	76.7	76.8	76.9	76.9	77.1	77.1	77.1	77.2
>=2000	63.7	73.7	75.4	77.1	77.6	77.9	78.1	78.2	78.2	78.3	78.4	78.4	78.6	78.6	78.6	78.7
>=1800	64.5	74.8	76.9	78.8	79.3	79.6	79.8	79.8	79.8	80.0	80.1	80.1	80.3	80.3	80.3	80.4
>=1500	65.3	76.1	78.4	80.4	81.0	81.3	81.5	81.6	81.6	81.8	81.9	81.9	82.1	82.1	82.1	82.1
>=1200	66.0	78.0	80.5	82.6	83.4	83.8	84.1	84.2	84.2	84.4	84.4	84.4	84.6	84.6	84.6	84.7
>=1000	66.6	79.3	82.1	84.3	85.3	85.8	86.1	86.2	86.2	86.4	86.5	86.5	86.6	86.6	86.6	86.7
>=900	66.7	79.8	82.9	85.2	86.5	86.9	87.3	87.4	87.4	87.5	87.6	87.6	87.8	87.8	87.8	87.9
>=800	66.8	80.4	84.3	86.7	88.2	88.7	89.2	89.3	89.3	89.5	89.6	89.6	89.7	89.7	89.7	89.8
>=700	66.8	80.6	84.9	87.7	89.4	89.8	90.4	90.5	90.5	90.6	90.7	90.7	90.9	90.9	90.9	91.0
>=600	66.8	80.9	85.6	88.9	90.6	91.2	91.8	91.9	91.9	92.0	92.1	92.1	92.4	92.4	92.4	92.5
>=500	66.9	81.1	85.9	89.7	91.9	92.4	93.3	93.5	93.5	93.7	93.8	93.8	94.1	94.1	94.1	94.2
>=400	66.9	81.1	86.0	90.2	92.7	93.4	94.3	94.9	94.9	95.2	95.4	95.4	95.7	95.7	95.7	95.8
>=300	66.9	81.1	86.0	90.3	93.1	94.1	95.1	95.8	95.8	96.5	96.6	96.6	96.9	96.9	96.9	97.0
>=200	66.9	81.1	86.0	90.4	93.2	94.2	95.3	96.1	96.1	97.2	97.7	97.7	98.0	98.0	98.0	98.1
>=100	66.9	81.1	86.0	90.4	93.2	94.2	95.3	96.2	96.2	97.3	98.1	98.1	98.7	98.9	99.1	99.3
>=0	66.9	81.1	86.0	90.4	93.2	94.2	95.3	96.2	96.2	97.3	98.1	98.1	98.7	98.9	99.4	100.0

TOTAL NO. OF OBS : 1131

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV
HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMITED	39.2	44.3	45.4	46.4	46.9	46.9	47.2	47.3	47.3	47.3	47.5	47.5	47.5	47.6	47.6	47.6	47.7
>=20000	41.5	47.2	48.4	49.5	50.0	50.1	50.3	50.4	50.5	50.5	50.6	50.7	50.7	50.7	50.8	50.8	50.9
>=18000	41.6	47.3	48.5	49.5	50.0	50.1	50.3	50.5	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.9
>=16000	41.6	47.3	48.5	49.5	50.0	50.1	50.4	50.5	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.9	51.0
>=14000	42.3	48.1	49.3	50.4	50.9	51.0	51.2	51.4	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.8
>=12000	43.6	49.9	51.3	52.3	52.9	53.0	53.3	53.4	53.4	53.4	53.6	53.6	53.6	53.7	53.7	53.8	53.9
>=10000	45.7	52.6	54.1	55.2	55.9	56.0	56.2	56.4	56.4	56.4	56.6	56.6	56.6	56.7	56.7	56.7	56.9
>=9000	46.7	54.0	55.5	56.7	57.3	57.5	57.7	57.9	57.9	57.9	58.1	58.1	58.1	58.2	58.2	58.2	58.4
>=8000	47.9	55.7	57.3	58.6	59.3	59.4	59.7	59.8	59.8	59.8	60.0	60.1	60.1	60.1	60.2	60.2	60.3
>=7000	49.2	57.4	59.1	60.5	61.2	61.3	61.6	61.8	61.8	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.3
>=6000	50.0	58.4	60.1	61.6	62.3	62.4	62.7	62.9	62.9	62.9	63.1	63.1	63.1	63.2	63.2	63.3	63.4
>=5000	51.8	60.7	62.6	64.1	64.8	64.9	65.2	65.4	65.4	65.4	65.6	65.7	65.7	65.7	65.8	65.8	65.9
>=4500	53.2	62.4	64.4	66.0	66.7	66.8	67.1	67.3	67.3	67.3	67.5	67.5	67.5	67.6	67.6	67.7	67.8
>=4000	54.6	64.3	66.4	68.1	68.9	69.0	69.3	69.5	69.5	69.5	69.7	69.8	69.8	69.8	69.9	69.9	70.0
>=3500	56.1	66.2	68.3	70.1	70.9	71.1	71.4	71.6	71.6	71.6	71.8	71.9	71.9	71.9	72.0	72.0	72.2
>=3000	57.9	68.6	70.8	72.7	73.5	73.7	74.0	74.3	74.3	74.3	74.5	74.6	74.6	74.6	74.7	74.7	74.8
>=2500	59.7	71.0	73.4	75.3	76.2	76.3	76.7	76.9	77.0	77.0	77.2	77.2	77.2	77.3	77.3	77.4	77.5
>=2000	61.0	73.0	75.5	77.5	78.5	78.6	79.0	79.3	79.3	79.3	79.5	79.6	79.6	79.7	79.7	79.8	79.9
>=1800	61.7	73.9	76.5	78.7	79.6	79.8	80.2	80.4	80.5	80.5	80.7	80.8	80.8	80.9	80.9	80.9	81.1
>=1500	62.6	75.5	78.3	80.6	81.6	81.7	82.2	82.4	82.5	82.5	82.8	82.8	82.8	82.9	82.9	83.0	83.1
>=1200	63.3	77.1	80.1	82.5	83.6	83.9	84.3	84.6	84.7	85.0	85.0	85.0	85.0	85.1	85.1	85.2	85.3
>=1000	63.7	78.2	81.5	84.1	85.4	85.6	86.2	86.5	86.6	86.9	86.9	86.9	86.9	87.0	87.0	87.1	87.2
>=900	63.9	78.9	82.4	85.3	86.8	87.1	87.7	88.0	88.1	88.4	88.5	88.5	88.5	88.6	88.6	88.7	88.8
>=800	64.0	79.5	83.4	86.5	88.2	88.5	89.2	89.6	89.6	89.6	90.0	90.0	90.0	90.1	90.1	90.2	90.3
>=700	64.1	80.1	84.0	87.4	89.3	89.7	90.5	91.0	91.0	91.0	91.4	91.5	91.5	91.6	91.6	91.7	91.8
>=600	64.2	80.4	84.6	88.4	90.5	91.0	92.0	92.6	92.7	93.1	93.2	93.2	93.2	93.3	93.3	93.4	93.5
>=500	64.2	80.5	84.9	88.9	91.3	91.8	93.0	93.7	93.8	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.7
>=400	64.2	80.6	85.1	89.3	91.9	92.6	94.0	94.9	95.0	95.7	95.8	95.8	95.8	95.9	95.9	96.0	96.2
>=300	64.2	80.6	85.2	89.5	92.2	93.1	94.7	95.7	95.9	96.8	97.1	97.1	97.1	97.2	97.2	97.3	97.5
>=200	64.2	80.6	85.2	89.6	92.4	93.2	94.9	96.1	96.3	97.5	98.0	98.0	98.0	98.2	98.3	98.4	98.6
>=100	64.2	80.6	85.2	89.6	92.4	93.2	95.0	96.2	96.4	97.7	98.2	98.2	98.2	98.6	98.8	99.1	99.4
>=0	64.2	80.6	85.2	89.6	92.4	93.2	95.0	96.2	96.4	97.7	98.2	98.2	98.2	98.7	98.9	99.4	100.0

TOTAL NO. OF OBS : 8993

1 - SURFACE WINDS

019765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 COMBINATION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	%	%	%	%	%	%
N	.3	2.5	4.8	3.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	9.4
NNE	.0	.7	2.1	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	10.1
NE	.0	1.0	.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.9
ENE	.0	.6	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	9.1
E	.0	.2	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	9.0
ESE	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.7
SE	.1	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	8.9
SSE	.2	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.3
S	.5	1.8	1.9	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.4
SSW	.3	1.7	1.3	1.5	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.6	10.0
SW	.8	2.6	2.5	1.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	8.4
WSW	.8	3.1	4.1	1.9	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1	8.0
W	.4	3.2	4.1	2.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	9.1
WNW	.7	2.3	4.1	3.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	9.2
NW	.6	2.4	4.0	3.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	9.8
NNW	.3	2.0	2.5	2.7	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	10.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0
ALL	5.0	25.5	34.2	22.8	5.0	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.6

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 0000 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	2	3	4	5	6	7	8	9
N	.5	2.9	4.8	3.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	9.1
NNE	.1	.9	1.0	1.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	10.3
NE	.2	.8	1.1	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	9.0
ENE	.2	.4	.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	8.8
E	.3	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.0
ESE	.1	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.6
SE	.3	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.3
SSE	.3	.6	.5	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.1
S	.2	2.0	1.5	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.1
SSW	.4	1.4	1.6	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.9
SW	.9	2.0	2.0	1.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	8.5
WSW	.8	2.8	3.5	2.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	8.3
W	.9	2.6	5.4	1.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	8.4
WNW	1.0	2.4	3.9	2.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	9.3
NW	.6	2.8	3.6	3.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	9.8
NNW	.3	2.8	3.4	2.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	9.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0
ALL	6.9	25.4	33.4	21.3	4.8	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8.4

TOTAL NO. OF OBS : 1176

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 0700 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

16 PT.		SPEED (KNOTS)																TOTAL		MEAN
DIR.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%	WIND		SPEED		
N		.3	3.2			5.2	2.5	.8	.0	.0	.0	.0	.0	.0	12.1	8.9				
NNE		.2	1.2			1.5	1.4	.2	.1	.1	.0	.0	.0	.0	4.7	9.8				
NNE		.1	.5			1.2	.4	.1	.0	.0	.0	.0	.0	.0	2.3	8.4				
ENE		.0	.3			.3	.3	.2	.0	.0	.0	.0	.0	.0	1.2	11.1				
E		.2	.3			.3	.2	.1	.0	.0	.0	.0	.0	.0	.9	8.1				
ESE		.1	.2			.3	.2	.0	.0	.0	.0	.0	.0	.0	.8	7.3				
SE		.1	.3			.2	.0	.2	.2	.0	.0	.0	.0	.0	.9	11.0				
SSE		.1	.3			.4	.4	.1	.0	.0	.0	.0	.0	.0	1.4	9.5				
S		.4	1.2			1.9	.8	.2	.1	.0	.0	.0	.0	.0	4.6	8.4				
SSW		.4	2.0			2.1	1.4	.2	.1	.0	.0	.0	.0	.0	6.1	8.8				
SW		.8	2.5			2.9	1.5	.3	.0	.0	.0	.0	.0	.0	8.1	8.0				
WSW		.6	1.6			3.9	1.8	.1	.2	.1	.0	.0	.0	.0	8.2	8.9				
W		.7	2.9			3.8	1.8	.5	.1	.0	.0	.0	.0	.0	9.8	8.5				
WNW		.7	3.0			3.7	3.7	.3	.1	.0	.0	.0	.0	.0	11.3	9.4				
NW		.4	1.9			3.9	3.2	.7	.3	.0	.0	.0	.0	.0	10.4	10.1				
NNW		.3	2.0			4.1	2.7	.5	.2	.0	.0	.0	.0	.0	9.8	9.6				
VAR		.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CLM		.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	.0				
ALL		5.4	23.4			35.7	22.4	4.3	1.3	.2	.0	.0	.0	.0	100.0	8.4				

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF WIND
 DIRECTION VS SPEED
 (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)															TOTAL	MEAN
16 PT.	1	3	4	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56		%	WIND
DIR.																SPEED
N	.3	2.0	5.7	5.0	.8	.2	.1	.0	.0	.0	.0	.0	.0	14.0	10.6	
NNE	.3	1.0	2.7	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.5	8.7	
NE	.0	.9	1.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	8.8	
NNE	.1	.4	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.9	
E	.1	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.1	9.4	
ESE	.3	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	7.5	
SE	.0	.1	.6	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.4	11.6	
SSE	.1	.4	.4	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.4	11.1	
S	.4	1.7	1.6	.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	4.8	8.3	
SSW	.3	.3	1.5	1.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	3.7	11.4	
SW	.1	.9	2.2	2.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	6.2	11.0	
WSW	.6	1.0	2.8	2.9	.4	.3	.0	.0	.0	.0	.0	.0	.0	8.1	10.4	
W	.1	.9	2.9	4.3	1.0	.3	.0	.0	.0	.0	.0	.0	.0	9.5	11.9	
WNW	.3	.7	2.3	5.1	1.4	.6	.0	.0	.0	.0	.0	.0	.0	10.5	13.1	
NW	.4	1.2	2.3	5.6	.5	.8	.0	.0	.0	.0	.0	.0	.0	10.9	12.3	
NNW	.3	1.6	3.6	5.0	.8	.6	.1	.0	.0	.0	.0	.0	.0	12.0	11.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	.0	
ALL	3.7	13.6	30.8	25.5	6.9	3.3	.3	.1	.0	.0	.0	.0	.0	100.0	10.4	

TOTAL NO. OF OBS : 1176

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 1300 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL		MEAN
16 PT. 1 - 3 4 - 6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 >=56 %																		WIND
DIR.	1	2	1.5	3.7	4.2	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	%	SPEED	
N	.2															10.5	10.9	
NNE	.1	.9	1.8	2.0		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	10.0	
NE	.4	.7	1.4	.9		.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.6	8.8	
ENE	.4	.6	.7	.3		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.0	
E	.3	.4	.4	.5		.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	9.0	
ESE	.6	1.1	.3	.2		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.1	
SE	.3	.8	.7	.3		.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	2.5	9.6	
SSE	.2	.9	1.1	.3		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.5	
S	.3	.9	1.6	1.9		.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	5.7	10.8	
SSW	.1	.4	.9	2.0		.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.2	12.4	
SW	.2	.6	1.2	2.8		.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	6.0	12.6	
WSW	.1	.8	2.0	3.6		.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	7.5	11.8	
W	.1	.6	2.9	3.7		.9	.5	.1	.1	.0	.0	.0	.0	.0	.0	8.8	12.7	
WNW	.1	.8	1.6	6.3		2.7	1.1	.0	.0	.0	.0	.0	.0	.0	.0	12.7	14.3	
NW	.3	.9	2.0	6.0		2.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	12.3	13.7	
NNW	.0	1.1	3.7	3.7		1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	10.2	11.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	
ALL	3.7	13.3	26.1	38.8		11.3	4.1	.6	.1	.0	.0	.0	.0	.0	.0	100.0	11.5	

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 1600 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

		SPEED (KNOTS)										TOTAL		MEAN
16 PT. 1 - 31		4 - 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	%		WIND
DIR.														
N	.2	1.4	3.3	2.6	.3	.1	.0	.0	.0	.0	.0	7.8	10.0	
NNE	.1	.9	2.0	1.5	.1	.0	.0	.0	.0	.0	.0	4.6	9.3	
NE	.5	.8	.9	1.8	.2	.0	.0	.0	.0	.0	.0	4.2	9.4	
ENE	.0	.7	1.1	.6	.1	.0	.0	.0	.0	.0	.0	2.5	8.7	
E	.1	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	1.5	7.5	
ESE	.1	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.2	7.6	
SE	.1	1.4	1.4	.3	.3	.1	.0	.2	.0	.0	.0	3.8	9.5	
SSE	.6	1.7	1.1	.4	.2	.0	.0	.0	.0	.0	.0	4.0	7.1	
S	.1	1.7	2.7	1.2	.5	.1	.0	.0	.0	.0	.0	6.3	9.3	
SSW	.1	.7	2.5	2.3	.5	.0	.1	.0	.0	.0	.0	6.1	10.9	
SW	.3	1.6	3.0	2.5	.3	.1	.0	.0	.0	.0	.0	7.7	9.6	
WSW	.3	1.2	2.2	2.0	.2	.1	.0	.0	.0	.0	.0	5.9	5.5	
W	.2	.8	3.0	2.4	.3	.2	.0	.0	.0	.0	.0	6.8	10.6	
WNW	.2	1.2	4.0	6.0	1.6	.5	.0	.0	.0	.0	.0	13.5	12.1	
W	.0	1.5	4.2	5.9	.9	.6	.0	.1	.0	.0	.0	13.3	11.6	
NMW	.2	.9	2.3	3.7	.8	.4	.0	.0	.0	.0	.0	8.3	12.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	
ALL	2.9	17.6	34.6	33.9	6.2	2.1	.1	.3	.0	.0	.0	100.0	10.1	

TOTAL NO. OF OBS : 1177

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

010765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 1900 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

16 PT. DIR.		1	- 3	4	- 6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>=56	TOTAL	MEAN
		SPEED (KNOTS)														
N	.3	2.2	2.8	2.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	9.5
NNE	.0	.6	1.7	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	9.8
NE	.3	.6	2.2	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	9.4
ENE	.2	.6	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.1
E	.1	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.1
ESE	.3	.7	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.6
SE	.3	.8	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.7
SSE	.3	1.2	.4	.3	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	2.4	8.2
S	.3	3.5	2.3	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	7.9
SSW	.3	1.7	2.3	1.0	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	6.0	9.6
SW	.9	2.8	2.8	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.7	7.3
WSW	.8	2.4	3.1	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	7.8	7.8
W	.7	2.1	2.4	1.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.4	8.9
WNW	.4	3.1	3.9	4.0	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	13.2	10.5
NW	.3	2.0	4.0	4.5	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	11.9	10.9
NNW	.2	1.1	2.8	3.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.7	10.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	.0
ALL	5.6	25.9	32.7	23.6	4.8	1.9	.0	.1	.0	.0	.0	.0	.0	.0	100.0	8.7

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 2200 LST

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	3	4	5	6	7		
N	.5	2.4	3.2	2.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	9.3
NNE	.2	.7	1.6	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	10.1
NE	.5	.9	1.7	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	8.1
ENE	.2	.6	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.3
E	.2	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.9
ESE	.3	.3	.3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.6
SE	.1	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.6
SSE	.3	.8	.5	.5	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	9.0
S	.2	1.9	1.5	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	8.5
SSW	.2	2.0	1.4	1.4	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	9.7
SW	.7	2.0	2.5	1.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	8.4
WSW	.8	2.6	4.0	1.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	8.5
W	.7	2.8	3.8	1.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	8.4
WNW	.3	2.1	4.7	3.1	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0	9.9
NW	.4	2.2	3.3	2.9	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	10.1
NNW	.3	2.1	4.0	3.1	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1	9.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	5.7	24.5	34.2	22.2	4.1	1.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	8.5

TOTAL NO. OF OBS : 1178

NOTES :
 * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

DIR.	SPEED (KNOTS)																TOTAL	MEAN
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	2	3	4	5	6		
N	.3	2.3	4.2	3.2	.6	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	9.7
NNE	.1	.9	1.8	1.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	9.7
NE	.2	.8	1.3	.8	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	8.9
ENE	.1	.5	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	8.6
E	.1	.4	.4	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.2
ESE	.2	.4	.3	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.4
SE	.2	.6	.6	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.9
SSE	.2	.8	.6	.3	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.3
S	.3	1.8	1.9	1.0	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	8.6
SSW	.3	1.3	1.7	1.5	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	5.3	10.1
SW	.6	1.9	2.4	1.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	9.1
WSW	.6	1.9	3.2	2.2	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	8.3	9.1
W	.5	2.0	3.5	2.5	.5	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	9.2	9.7
WNW	.5	1.9	3.5	4.2	1.1	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	11.0
NW	.4	1.9	3.4	4.4	.9	.5	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	11.4	11.1
NNW	.2	1.7	3.3	3.3	.7	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	10.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ALL	4.9	21.2	32.7	27.6	5.9	2.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9.3

TOTAL NO. OF OBS : 9417

NOTES : * = PERCENT < .05

1 - SURFACE WINDS

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : ANN
 HOUR : ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNOTS)																TOTAL	MEAN
16 PT. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%					
N	.3	1.8	3.4	2.7	.4	.1	.0*	.0*	.0	.0	.0	.0	8.8	9.6			
NNE	.2	.9	1.9	1.8	.3	.1	.0*	.0*	.0	.0	.0	.0	5.1	10.3			
NE	.2	.9	1.8	1.3	.2	.0*	.0*	.0	.0	.0	.0*	.0	4.4	9.4			
ENE	.1	.6	.9	.5	.1	.0*	.0*	.0	.0	.0	.0	.0	2.3	8.6			
E	.1	.5	.6	.2	.0*	.0*	.0*	.0	.0	.0	.0	.0	1.5	7.6			
ESE	.1	.5	.5	.2	.0*	.0*	.0*	.0*	.0	.0	.0*	.0	1.3	7.8			
SE	.3	1.0	1.3	.8	.1	.0*	.0*	.0*	.0	.0	.0	.0	3.5	8.7			
SSE	.3	1.2	2.1	1.6	.2	.0*	.0*	.0*	.0	.0	.0	.0	5.5	9.2			
S	.6	2.6	3.4	2.1	.3	.1	.0*	.0*	.0*	.0	.0	.0	9.1	8.6			
SSW	.4	1.7	2.1	1.9	.4	.1	.0*	.0*	.0	.0	.0	.0	6.6	9.6			
SW	.6	2.0	2.7	2.3	.4	.1	.0*	.0*	.0	.0	.0	.0	8.1	9.3			
WSW	.4	1.8	2.5	1.7	.3	.1	.0*	.0*	.0	.0	.0	.0	6.8	9.0			
W	.4	2.0	3.0	1.9	.3	.1	.0*	.0*	.0	.0	.0	.0	7.7	9.0			
WNW	.3	1.7	2.8	3.2	.7	.2	.0*	.0*	.0	.0	.0	.0	9.0	10.6			
NW	.4	1.7	2.9	3.1	.6	.2	.0*	.0*	.0	.0	.0	.0	8.8	10.2			
NNW	.2	1.4	2.4	2.2	.5	.1	.0*	.0*	.0*	.0	.0	.0	6.8	10.1			
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
CLM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0			
ALL	4.9	22.4	34.4	27.5	4.8	1.3	.1	.0*	.0*	.0	.0	.0	100.0	9.1			

TOTAL NO. OF OBS : 110977

NOTES :
 * = PERCENT < .05

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 0100 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)																
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	43.9	47.9	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.3	49.3
>=20000	45.7	49.9	50.4	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.4	51.4
>=18000	45.7	49.9	50.4	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.4	51.4
>=16000	45.7	49.9	50.4	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.4	51.4
>=14000	46.1	50.3	50.9	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.8	51.8
>=12000	47.8	52.2	52.8	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.8	53.8
>=10000	50.1	54.7	55.4	56.0	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5
>= 9000	50.7	55.3	56.0	56.6	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2
>= 8000	52.6	57.4	58.2	58.8	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.4	59.4
>= 7000	54.1	59.0	60.0	60.6	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.2	61.2
>= 6000	54.7	59.9	60.8	61.4	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1
>= 5000	56.1	61.7	62.7	63.4	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.1	64.1
>= 4500	57.7	63.4	64.4	65.2	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.9	65.9
>= 4000	59.1	65.7	66.8	67.7	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.5	68.5
>= 3500	60.4	67.6	68.7	69.7	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.5	70.5
>= 3000	61.5	69.6	71.0	72.3	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.1	73.1
>= 2500	63.0	71.7	73.1	74.5	75.0	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.4	75.4
>= 2000	64.6	73.7	75.1	76.8	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.8	77.8
>= 1800	64.8	74.1	75.6	77.3	78.0	78.0	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.3	78.3	78.4	78.4
>= 1500	65.3	75.4	76.9	78.7	79.3	79.3	79.5	79.7	79.7	79.7	79.9	79.9	79.9	79.9	79.9	80.0	80.0
>= 1200	66.1	77.2	78.9	80.9	81.8	81.8	81.9	82.1	82.1	82.1	82.3	82.4	82.4	82.4	82.4	82.5	82.5
>= 1000	66.6	78.6	80.4	82.7	83.6	83.6	83.9	84.2	84.4	84.4	84.7	84.8	84.8	84.9	84.9	84.9	84.9
>= 900	66.6	78.8	80.9	83.4	84.5	84.5	85.3	85.5	85.5	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
>= 800	66.6	79.1	81.4	84.3	85.9	86.3	86.8	87.1	87.1	87.1	87.4	87.5	87.5	87.6	87.6	87.7	87.7
>= 700	66.7	79.7	82.3	85.8	87.5	88.0	88.8	89.2	89.2	89.2	89.5	89.6	89.6	89.7	89.7	89.8	89.8
>= 600	66.8	80.2	83.0	86.6	88.4	89.1	89.8	90.2	90.2	90.2	90.8	91.0	91.0	91.0	91.0	91.1	91.1
>= 500	66.8	80.5	83.4	87.3	89.6	90.3	91.6	92.2	92.2	92.2	92.9	93.2	93.2	93.3	93.3	93.4	93.4
>= 400	66.8	80.6	83.6	87.7	90.3	91.0	92.5	93.5	93.5	93.5	94.2	94.8	94.8	94.9	94.9	95.0	95.0
>= 300	66.8	80.6	83.6	88.0	90.8	91.8	93.8	95.0	95.0	95.0	96.0	96.6	96.6	96.9	96.9	97.0	97.0
>= 200	66.8	80.6	83.7	88.1	90.9	91.9	94.2	95.6	95.6	95.7	97.2	97.9	97.9	98.5	98.5	98.5	98.5
>= 100	66.8	80.6	83.7	88.1	90.9	91.9	94.2	95.6	95.7	95.7	97.3	98.2	98.2	99.0	99.1	99.2	99.3
>= 0	66.8	80.6	83.7	88.1	90.9	91.9	94.2	95.6	95.7	95.7	97.3	98.2	98.2	99.0	99.1	99.3	100.0

TOTAL NO. OF OPS : 1162

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
HOUR : 0400 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	43.8	47.0	47.6	47.9	48.5	48.5	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.9	48.9
>=20000	45.5	48.9	49.5	49.8	50.3	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.8	50.8
>=18000	45.5	48.9	49.5	49.8	50.3	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.8	50.8
>=16000	45.5	49.0	49.6	49.9	50.4	50.4	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.9	50.9
>=14000	46.1	49.6	50.2	50.5	51.0	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5
>=12000	47.9	51.7	52.3	52.7	53.2	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.6	53.6
>=10000	51.2	55.4	56.0	56.4	56.9	56.9	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.4	57.4
>= 9000	52.3	56.6	57.2	57.6	58.1	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.6
>= 8000	53.7	58.0	58.6	59.2	59.8	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.3	60.3
>= 7000	54.5	59.2	59.8	60.4	61.0	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.5	61.5
>= 6000	55.3	60.3	60.9	61.5	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.5	62.5
>= 5000	56.8	62.2	62.8	63.4	64.1	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.6	64.6
>= 4500	58.3	64.0	64.7	65.4	66.1	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6
>= 4000	60.1	66.2	67.1	68.0	68.7	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.2	69.2
>= 3500	61.0	67.5	68.5	69.5	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.9	70.9
>= 3000	62.8	70.2	71.4	72.6	73.5	73.6	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3	74.3
>= 2500	63.7	71.7	73.0	74.2	75.2	75.3	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.9	75.9
>= 2000	64.6	73.2	74.7	75.9	76.9	77.0	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.8	77.8
>= 1800	65.0	74.1	75.7	77.0	78.0	78.1	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0
>= 1500	65.5	75.6	77.5	79.0	80.1	80.1	80.6	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.2	81.2
>= 1200	65.7	76.2	78.3	80.0	81.0	81.2	81.8	82.0	82.0	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.4	82.4
>= 1000	66.1	77.6	79.7	81.8	82.9	83.0	83.6	83.9	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.2	84.2
>= 900	66.3	78.3	80.6	83.0	84.2	84.6	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	86.0	86.0
>= 800	66.5	79.3	81.8	84.5	85.9	86.2	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.7	87.7
>= 700	66.7	80.1	82.7	85.7	87.4	87.8	88.6	89.2	89.2	89.4	89.4	89.4	89.4	89.6	89.7	89.7	89.9	89.9
>= 600	66.8	80.4	83.2	86.6	88.4	88.9	90.0	90.8	90.8	91.2	91.4	91.4	91.4	91.6	91.6	91.6	91.9	91.9
>= 500	66.9	80.7	83.6	87.1	89.3	89.8	91.2	92.0	92.0	92.5	92.7	92.7	92.7	92.9	92.9	92.9	93.2	93.2
>= 400	66.9	80.7	83.9	87.9	90.6	91.2	93.1	94.2	94.2	94.8	95.1	95.1	95.1	95.3	95.3	95.3	95.5	95.5
>= 300	66.9	80.7	83.9	87.9	90.8	91.4	93.7	95.1	95.1	96.1	96.5	96.5	96.5	96.8	96.8	96.8	97.1	97.2
>= 200	66.9	80.7	83.9	87.9	90.8	91.4	93.8	95.3	95.3	96.7	97.2	97.2	97.2	97.6	97.6	97.6	98.0	98.1
>= 100	66.9	80.7	83.9	87.9	90.8	91.4	93.8	95.5	95.5	97.0	97.5	97.5	97.5	98.2	98.2	98.2	98.9	99.2
>= 0	66.9	80.7	83.9	87.9	90.8	91.4	93.8	95.5	95.5	97.0	97.5	97.5	97.5	98.2	98.2	98.2	98.9	100.0

TOTAL NO. OF OBS : 1168

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
HOUR : 0700 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	38.1	43.5	44.3	45.3	45.9	45.9	46.2	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.6
>=20000	40.4	46.4	47.1	48.2	48.8	48.8	49.1	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5
>=18000	40.4	46.4	47.1	48.2	48.8	48.8	49.1	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5
>=16000	40.6	46.5	47.3	48.4	49.0	49.0	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.7
>=14000	41.5	47.6	48.3	49.4	50.0	50.0	50.3	50.4	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
>=12000	43.3	49.4	50.1	51.4	52.1	52.1	52.4	52.4	52.4	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.8
>=10000	45.9	52.7	53.6	55.0	55.8	55.8	56.1	56.1	56.1	56.2	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.6
>=9000	47.8	55.2	56.2	57.7	58.5	58.5	58.8	58.9	58.9	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.3
>=8000	49.4	57.3	58.3	59.9	60.7	60.8	61.0	61.1	61.1	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5
>=7000	50.3	58.4	59.4	61.0	61.9	62.1	62.3	62.4	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8
>=6000	50.6	59.1	60.3	61.9	62.7	62.9	63.2	63.3	63.3	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.7
>=5000	51.2	60.3	61.6	63.4	64.3	64.5	64.8	64.9	64.9	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
>=4500	52.2	61.7	63.2	65.0	65.8	66.0	66.4	66.4	66.4	66.5	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0
>=4000	53.7	63.8	65.3	67.4	68.5	68.7	69.0	69.1	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6
>=3500	54.6	65.5	67.2	69.4	70.6	70.8	71.2	71.2	71.2	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.8
>=3000	55.8	67.3	69.1	71.5	72.9	73.0	73.4	73.5	73.5	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	74.0
>=2500	57.1	69.4	71.3	74.1	75.6	75.8	76.2	76.3	76.3	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8
>=2000	57.9	70.6	72.4	75.3	76.9	77.2	77.7	77.9	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.4
>=1800	58.5	71.3	73.2	76.1	77.8	78.0	78.5	78.7	78.7	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.2
>=1500	59.1	72.5	74.7	77.8	79.5	79.8	80.7	80.9	80.9	81.0	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.5
>=1200	59.4	73.4	75.8	79.1	80.9	81.2	82.1	82.6	82.6	82.7	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.2
>=1000	59.8	74.3	77.0	80.4	82.4	82.8	83.9	84.3	84.3	84.5	84.6	84.6	84.9	85.0	85.0	85.0	85.0	85.2
>=900	60.0	74.6	77.3	80.8	83.0	83.4	84.5	85.1	85.1	85.2	85.4	85.4	85.7	85.8	85.8	85.8	85.8	85.9
>=800	60.3	74.8	77.9	81.5	84.0	84.5	85.7	86.3	86.3	86.4	86.6	86.6	86.9	87.0	87.0	87.0	87.0	87.1
>=700	60.3	75.7	78.7	82.8	85.5	86.1	87.5	88.2	88.2	88.5	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.2
>=600	60.3	76.1	79.5	84.0	87.0	87.7	89.4	90.3	90.4	90.9	91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.7
>=500	60.3	76.1	79.7	84.5	87.7	88.6	90.5	91.5	91.6	92.5	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.6
>=400	60.3	76.4	80.1	85.0	88.4	89.3	91.4	93.1	93.4	94.5	95.0	95.0	95.4	95.5	95.5	95.5	95.5	95.7
>=300	60.3	76.4	80.1	85.0	88.6	89.5	92.0	94.2	94.5	95.7	96.4	96.4	96.7	96.8	96.8	96.8	96.8	97.1
>=200	60.3	76.4	80.1	85.0	88.6	89.6	92.2	94.6	95.0	96.5	97.4	97.4	97.8	97.9	97.9	97.9	97.9	98.2
>=100	60.3	76.4	80.1	85.0	88.6	89.6	92.2	94.6	95.0	96.8	97.9	97.9	98.5	98.6	98.6	98.6	98.6	99.3
>=0	60.3	76.4	80.1	85.0	88.6	89.6	92.2	94.6	95.0	96.8	97.9	97.9	98.5	98.6	98.6	98.6	98.6	100.0

TOTAL NO. OF OBS : 1165

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : 1000 LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.3	46.0	47.7	48.5	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.5
>=20000	42.9	49.0	50.9	52.0	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.0
>=18000	43.0	49.1	51.0	52.1	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	53.1
>=16000	43.0	49.1	51.1	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.2
>=14000	43.3	49.6	51.6	52.6	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.7
>=12000	44.9	51.3	53.4	54.7	55.5	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.9
>=10000	47.6	55.0	57.3	59.0	59.8	59.9	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.4
>=9000	48.7	56.7	59.1	60.8	61.6	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.2
>=8000	49.8	58.4	60.9	62.6	63.6	63.7	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3
>=7000	50.4	59.5	62.2	63.9	64.9	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.6
>=6000	50.9	60.1	62.8	64.6	65.6	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.3
>=5000	51.6	61.2	64.2	66.1	67.2	67.3	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9
>=4500	52.5	62.6	65.6	67.8	68.9	69.1	69.3	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.7
>=4000	53.4	63.9	67.0	69.1	70.4	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.3
>=3500	55.0	66.0	69.1	71.5	72.8	72.9	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.6
>=3000	56.4	68.0	71.4	74.0	75.3	75.4	75.7	75.8	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.1	76.1	76.3
>=2500	56.9	69.4	72.8	75.4	76.7	76.9	77.2	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.8	77.8	77.9
>=2000	58.0	71.0	74.4	77.4	78.7	78.9	79.3	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.9	79.9	80.1
>=1800	58.6	72.1	75.4	78.5	79.8	80.0	80.4	80.7	80.7	80.7	80.7	80.9	80.9	80.9	80.9	81.0	81.0	81.2
>=1500	59.5	73.2	76.6	79.7	81.0	81.2	81.8	82.1	82.1	82.1	82.1	82.4	82.4	82.4	82.4	82.5	82.5	82.7
>=1200	59.8	74.1	77.7	80.9	82.6	82.8	83.4	83.8	83.8	83.8	83.8	84.2	84.2	84.2	84.2	84.3	84.3	84.5
>=1000	59.9	74.7	78.4	81.6	83.4	83.7	84.5	84.8	84.8	84.8	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.5
>=900	60.2	75.3	79.1	82.4	84.5	84.9	85.7	86.0	86.0	86.0	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.8
>=800	60.3	75.4	79.4	83.1	85.3	85.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.1	88.2	88.4
>=700	60.3	75.9	80.0	83.9	86.6	87.2	88.6	89.5	89.5	89.5	89.5	90.3	90.3	90.3	90.3	90.5	90.6	90.9
>=600	60.3	76.2	80.3	84.7	87.6	88.4	90.2	91.2	91.2	91.2	91.2	92.1	92.1	92.1	92.1	92.6	92.7	92.9
>=500	60.3	76.3	80.7	85.3	88.4	89.4	91.4	92.7	92.7	92.8	93.7	94.2	94.2	94.2	94.2	94.6	94.7	95.0
>=400	60.3	76.3	80.7	85.3	88.5	89.5	91.7	93.4	93.4	93.4	94.6	95.3	95.3	95.3	95.3	95.6	95.7	96.0
>=300	60.3	76.3	80.7	85.3	88.6	89.6	92.0	94.0	94.0	94.1	95.6	96.6	96.6	96.6	96.6	96.9	97.0	97.4
>=200	60.3	76.3	80.7	85.3	88.6	89.6	92.2	94.6	94.6	94.7	96.3	97.4	97.4	97.4	97.4	98.1	98.3	98.7
>=100	60.3	76.3	80.7	85.3	88.6	89.6	92.2	94.6	94.6	94.7	96.3	97.4	97.4	97.4	97.4	98.4	98.6	99.0
>=0	60.3	76.3	80.7	85.3	88.6	89.6	92.2	94.6	94.6	94.7	96.3	97.4	97.4	97.4	97.4	98.4	98.6	100.0

TOTAL NO. OF OBS : 1160

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
HOUR : 1300 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMTY	43.3	47.6	48.1	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
>=20000	46.7	51.4	52.0	52.2	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
>=18000	46.7	51.4	52.0	52.2	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
>=16000	46.7	51.5	52.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
>=14000	47.7	52.7	53.3	53.5	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
>=12000	49.0	54.3	54.8	55.1	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
>=10000	51.6	57.4	58.0	58.3	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
>=9000	52.8	58.9	59.6	59.8	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
>=8000	53.6	60.2	61.1	61.3	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
>=7000	53.9	60.9	61.8	62.2	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
>=6000	54.5	61.6	62.6	63.0	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
>=5000	55.7	63.0	64.0	64.5	65.0	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
>=4500	56.7	64.4	65.6	66.2	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
>=4000	58.5	66.6	67.9	68.7	69.2	69.3	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
>=3500	60.0	68.9	70.2	70.9	71.5	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
>=3000	62.1	72.4	73.9	74.8	75.3	75.4	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
>=2500	63.7	74.2	75.7	76.7	77.3	77.4	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
>=2000	64.2	75.4	77.0	78.1	78.8	79.0	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
>=1800	64.2	75.7	77.4	78.5	79.2	79.4	79.5	79.5	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
>=1500	65.3	77.5	79.5	80.7	81.5	81.7	81.9	82.5	82.5	82.5	82.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9
>=1200	65.7	78.9	81.1	82.5	83.4	83.7	84.0	84.6	84.6	84.6	84.6	84.8	85.0	85.0	85.1	85.1	85.1	85.1
>=1000	66.0	79.7	82.0	83.5	84.6	84.9	85.2	85.9	85.9	86.1	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
>=900	66.1	80.2	82.6	84.3	85.6	85.9	86.3	87.1	87.1	87.3	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8
>=800	66.1	80.3	83.1	84.9	86.5	86.7	87.3	88.4	88.4	88.4	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4
>=700	66.2	80.7	83.7	85.9	87.9	88.4	89.2	90.2	90.2	90.7	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5
>=600	66.2	80.8	84.0	86.5	88.6	89.3	90.4	91.7	91.7	92.5	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5
>=500	66.2	80.9	84.1	87.2	89.8	90.6	91.8	93.2	93.2	94.2	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
>=400	66.2	80.9	84.1	87.2	89.9	90.8	92.2	94.1	94.1	94.3	95.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
>=300	66.2	80.9	84.1	87.2	89.9	90.8	92.2	94.4	94.4	94.7	96.8	97.8	98.0	98.0	98.4	98.4	98.4	98.4
>=200	66.2	80.9	84.1	87.2	89.9	90.8	92.2	94.4	94.4	94.7	96.9	98.1	98.3	98.3	98.7	98.8	99.1	99.2
>=100	66.2	80.9	84.1	87.2	89.9	90.8	92.2	94.4	94.4	94.7	97.0	98.2	98.4	98.4	99.0	99.2	99.7	99.9
>=0	66.2	80.9	84.1	87.2	89.9	90.8	92.2	94.4	94.4	94.7	97.0	98.2	98.4	98.4	99.0	99.2	99.7	100.0

TOTAL NO. OF OBS : 1153

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
HOUR : 1600 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=2	>=1	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2
UNLIMIT	42.7	47.0	47.8	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
>=20000	46.4	51.1	51.9	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
>=18000	46.5	51.2	52.0	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9
>=16000	46.7	51.4	52.3	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
>=14000	47.4	52.3	53.2	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1
>=12000	49.1	54.5	55.5	56.0	56.2	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
>=10000	51.3	57.5	58.5	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7
>=9000	52.6	59.3	60.4	61.0	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
>=8000	53.6	61.1	62.3	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7
>=7000	54.7	62.8	64.2	65.0	65.4	65.5	65.5	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7
>=6000	55.5	63.7	65.1	66.0	66.5	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
>=5000	56.6	65.5	66.9	68.0	68.6	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0
>=4500	57.7	67.0	68.5	69.7	70.3	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8
>=4000	59.2	68.8	70.5	71.9	72.6	72.8	72.9	72.9	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1
>=3500	60.7	70.7	72.4	73.8	74.5	74.7	74.8	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0
>=3000	62.3	72.7	74.5	76.0	76.7	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
>=2500	63.1	74.3	76.1	77.7	78.6	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
>=2000	63.5	75.4	77.3	79.2	80.3	80.7	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0
>=1800	63.8	76.1	78.0	79.9	81.0	81.5	81.6	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8
>=1500	64.5	77.3	79.3	81.5	82.6	83.1	83.3	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6
>=1200	64.8	78.4	80.5	82.9	84.0	84.6	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3
>=1000	64.9	78.8	81.1	83.7	85.0	85.6	86.1	86.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6
>=900	65.0	79.0	81.6	84.4	86.0	86.6	87.0	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7
>=800	65.2	79.3	82.1	85.2	86.8	87.4	88.1	88.3	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9
>=700	65.2	79.7	82.6	85.8	87.7	88.4	89.2	89.5	89.5	89.6	90.6	90.6	90.6	90.6	90.6	90.6
>=600	65.3	79.8	82.8	86.2	88.5	89.4	90.6	91.3	91.3	91.3	92.6	92.7	92.7	92.8	92.8	92.8
>=500	65.3	79.9	82.9	86.6	89.3	90.4	91.8	92.8	92.9	94.5	94.5	94.8	94.9	95.1	95.1	95.1
>=400	65.3	79.9	82.9	86.7	89.6	90.9	92.9	94.4	94.5	96.4	97.0	97.1	97.2	97.2	97.2	97.2
>=300	65.3	79.9	82.9	86.7	89.6	91.0	93.2	94.8	95.1	97.3	98.3	98.4	98.6	98.6	98.6	98.7
>=200	65.3	79.9	82.9	86.7	89.6	91.0	93.2	94.9	95.2	97.4	98.4	98.6	98.6	98.6	98.6	98.6
>=100	65.3	79.9	82.9	86.7	89.6	91.0	93.2	94.9	95.2	97.4	98.4	98.6	98.6	98.6	98.6	98.6
>=0	65.3	79.9	82.9	86.7	89.6	91.0	93.2	94.9	95.2	97.4	98.4	98.6	98.6	98.6	98.6	100.0

TOTAL NO. OF OBS : 1155

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
HOUR : 1900 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2	1/2	>=1	1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	43.7	47.7	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	48.7
>=20000	46.3	50.6	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7
>=18000	46.3	50.6	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7
>=16000	46.3	50.6	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7
>=14000	47.6	52.1	52.7	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2
>=12000	50.2	54.9	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.1
>=10000	51.8	57.1	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6
>=9000	52.7	58.3	59.2	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
>=8000	54.0	60.3	61.2	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.0
>=7000	55.3	61.8	62.8	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5
>=6000	56.2	62.9	64.0	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
>=5000	58.4	65.5	66.6	67.0	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7	67.7
>=4500	59.7	66.9	68.3	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4
>=4000	61.5	69.2	70.7	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.8	71.8
>=3500	62.7	70.9	72.4	72.8	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7
>=3000	63.7	72.3	73.9	74.4	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3
>=2500	65.1	74.6	76.2	76.8	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8
>=2000	65.9	76.1	77.9	78.7	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.0	80.0
>=1800	66.4	76.8	78.7	79.6	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9
>=1500	67.2	78.2	80.3	81.2	82.1	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8
>=1200	67.6	79.1	81.3	82.3	83.4	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4
>=1000	67.8	79.9	82.4	83.6	84.7	85.1	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
>=900	68.1	80.7	83.2	84.8	85.9	86.4	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3
>=800	68.2	80.9	83.5	85.6	86.8	87.3	87.9	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.4
>=700	68.2	80.9	84.3	86.7	88.0	88.5	89.3	89.7	89.7	89.9	90.0	90.0	90.0	90.0	90.2	90.2
>=600	68.2	81.3	85.3	88.4	90.0	90.5	91.5	92.0	92.0	92.3	92.4	92.4	92.5	92.5	92.7	92.7
>=500	68.3	81.8	85.9	89.3	91.4	92.1	93.1	93.9	93.9	94.3	94.5	94.5	94.7	94.7	94.8	94.8
>=400	68.3	81.8	86.0	89.7	92.0	92.8	93.8	94.7	94.7	95.3	95.5	95.5	95.8	95.8	95.9	95.9
>=300	68.3	81.8	86.0	89.8	92.3	93.3	94.6	95.9	95.9	96.6	96.8	96.9	97.2	97.2	97.3	97.3
>=200	68.3	81.9	86.2	90.0	92.6	93.5	94.8	96.4	96.4	97.6	97.9	98.0	98.4	98.4	98.7	98.7
>=100	68.3	81.9	86.2	90.0	92.6	93.5	94.9	96.5	96.5	97.8	98.3	98.4	98.9	99.0	99.4	99.5
>=0	68.3	81.9	86.2	90.0	92.6	93.5	94.9	96.5	96.5	97.8	98.3	98.4	98.9	99.0	99.6	100.0

TOTAL NO. OF OBS : 1160

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
HOUR : 2200 LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	44.7	48.2	49.0	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.8	49.8
>=20000	46.6	50.2	50.9	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.9
>=18000	46.6	50.3	51.0	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.9	51.9	52.0	52.0
>=16000	46.7	50.3	51.1	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.0	52.1	52.1
>=14000	47.9	51.6	52.5	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4
>=12000	49.4	53.4	54.3	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.3	55.3
>=10000	51.6	55.8	56.9	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.1	58.1
>= 9000	52.4	56.9	58.1	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.3	59.3
>= 8000	53.3	58.2	59.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9	61.0	61.0
>= 7000	54.9	60.1	61.5	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.9	62.9	63.0	63.0
>= 6000	55.6	61.1	62.5	63.4	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.9	63.9
>= 5000	57.6	63.6	65.0	66.3	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.9	66.9
>= 4500	58.6	65.3	66.8	68.1	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.7	68.7
>= 4000	60.2	67.0	68.6	69.9	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.5	70.5	70.6	70.6
>= 3500	61.7	69.0	70.6	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.6	72.6
>= 3000	63.0	71.0	72.8	74.3	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.9	74.9	75.0	75.0
>= 2500	64.2	73.1	75.1	76.6	76.9	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.3	77.3	77.4	77.4
>= 2000	64.9	74.3	76.4	78.1	78.4	78.4	78.4	78.5	78.6	78.6	78.6	78.6	78.9	78.9	79.0	79.0
>= 1800	65.5	75.2	77.4	79.2	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	80.0	80.0	80.1	80.1
>= 1500	66.3	76.3	78.5	80.4	81.0	81.0	81.0	81.1	81.2	81.2	81.2	81.2	81.4	81.4	81.5	81.5
>= 1200	67.0	77.6	80.4	82.6	83.2	83.2	83.2	83.3	83.4	83.5	83.5	83.5	83.8	83.8	83.8	83.8
>= 1000	67.3	78.4	81.6	84.0	84.7	84.7	84.9	85.1	85.1	85.3	85.3	85.3	85.6	85.6	85.7	85.7
>= 900	67.4	79.0	82.9	85.3	86.3	86.3	86.6	86.8	86.9	87.0	87.1	87.1	87.4	87.4	87.5	87.5
>= 800	67.4	79.5	83.3	86.1	87.3	87.4	87.6	87.8	87.9	88.2	88.3	88.3	88.6	88.6	88.7	88.7
>= 700	67.5	80.0	84.2	87.2	88.7	88.9	89.2	89.3	89.4	89.8	89.9	89.9	90.1	90.1	90.2	90.2
>= 600	67.5	80.0	84.4	88.0	89.8	89.9	90.7	90.9	91.0	91.5	91.7	91.7	91.9	91.9	92.0	92.0
>= 500	67.6	80.1	84.9	88.7	91.1	91.4	92.3	92.5	92.7	93.2	93.5	93.5	93.9	93.9	94.0	94.0
>= 400	67.6	80.3	85.4	89.7	92.3	92.9	93.8	94.2	94.3	95.0	95.3	95.3	95.8	95.8	95.9	95.9
>= 300	67.6	80.4	85.5	89.9	92.7	93.4	94.8	95.3	95.4	96.3	96.6	96.6	97.2	97.2	97.3	97.3
>= 200	67.6	80.4	85.5	89.9	92.7	93.4	94.9	95.8	96.0	97.1	97.7	97.7	98.4	98.5	98.5	98.5
>= 100	67.6	80.4	85.5	89.9	92.7	93.4	94.9	95.8	96.0	97.3	98.2	98.2	99.0	99.1	99.4	99.5
>= 0	67.6	80.4	85.5	89.9	92.8	93.5	95.0	95.9	96.1	97.3	98.3	98.3	99.1	99.2	99.6	100.0

TOTAL NO. OF OBS : 1164

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 CLASS : ALL WEATHER
 CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : DEC
 HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	42.6	46.9	47.6	48.2	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.8
>=20000	45.1	49.7	50.5	51.1	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.7	51.7
>=18000	45.1	49.7	50.5	51.1	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7
>=16000	45.1	49.8	50.6	51.2	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.8	51.8
>=14000	45.9	50.7	51.6	52.1	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.8	52.8
>=12000	47.7	52.7	53.6	54.2	54.6	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.9	54.9
>=10000	50.1	55.7	56.7	57.5	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.3
>= 9000	51.2	57.1	58.2	59.0	59.4	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.8	59.8
>= 8000	52.5	58.9	60.0	60.8	61.3	61.4	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.8
>= 7000	53.5	60.2	61.5	62.3	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.3
>= 6000	54.2	61.1	62.4	63.2	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.2
>= 5000	55.5	62.9	64.2	65.3	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.4
>= 4500	56.7	64.4	65.9	67.0	67.6	67.7	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.1	68.1
>= 4000	58.2	66.4	68.0	69.2	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.5
>= 3500	59.5	68.3	69.9	71.2	71.9	72.0	72.1	72.2	72.3	72.3	72.3	72.4	72.4	72.5	72.5
>= 3000	60.9	70.5	72.2	73.7	74.5	74.6	74.7	74.8	74.8	74.9	74.9	75.0	75.0	75.1	75.1
>= 2500	62.1	72.3	74.2	75.8	76.6	76.7	76.9	77.0	77.0	77.1	77.1	77.2	77.2	77.3	77.3
>= 2000	62.9	73.7	75.7	77.4	78.4	78.5	78.7	78.9	78.9	79.0	79.0	79.1	79.1	79.2	79.2
>= 1800	63.3	74.4	76.4	78.3	79.2	79.4	79.6	79.8	79.8	79.9	79.9	80.0	80.0	80.1	80.1
>= 1500	64.1	75.8	77.9	79.9	80.9	81.1	81.4	81.7	81.7	81.8	81.8	81.9	81.9	82.0	82.0
>= 1200	64.5	76.8	79.2	81.4	82.5	82.8	83.2	83.5	83.6	83.7	83.7	83.8	83.8	83.9	83.9
>= 1000	64.8	77.7	80.3	82.7	83.9	84.2	84.7	85.0	85.1	85.3	85.3	85.4	85.4	85.5	85.5
>= 900	65.0	78.2	81.0	83.6	85.0	85.4	86.0	86.3	86.6	86.6	86.7	86.8	86.8	86.8	86.9
>= 800	65.1	78.6	81.6	84.4	86.1	86.4	87.1	87.6	87.6	87.9	88.0	88.2	88.2	88.3	88.3
>= 700	65.1	79.1	82.3	85.5	87.4	87.9	88.8	89.4	89.4	89.8	90.0	90.1	90.2	90.2	90.3
>= 600	65.2	79.3	82.8	86.4	88.5	89.2	90.3	91.0	91.1	91.7	92.0	92.2	92.2	92.3	92.3
>= 500	65.2	79.5	83.2	87.0	89.6	90.3	91.7	92.6	92.7	93.5	93.5	94.1	94.1	94.2	94.3
>= 400	65.2	79.6	83.3	87.4	90.2	91.0	92.7	93.9	94.0	95.0	95.5	95.8	95.8	95.9	96.0
>= 300	65.2	79.6	83.4	87.5	90.4	91.4	93.3	94.8	95.0	96.3	97.0	97.3	97.4	97.5	97.6
>= 200	65.2	79.6	83.4	87.5	90.4	91.4	93.4	95.2	95.4	96.9	97.8	98.3	98.4	98.6	98.7
>= 100	65.2	79.6	83.4	87.5	90.4	91.4	93.5	95.2	95.4	97.1	98.0	98.1	98.8	98.9	99.2
>= 0	65.2	79.6	83.4	87.5	90.5	91.4	93.5	95.2	95.4	97.1	98.0	98.1	98.8	98.9	99.3

TOTAL NO. OF OBS : 9287

2 - CEILING VS VISIBILITY

014765 : PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
CLASS : ALL WEATHER
CONDITION : NONE SPECIFIED

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : ANN
HOUR : ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	40.7	47.0	48.6	49.8	50.5	50.6	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.2	51.2
>=20000	43.3	50.2	52.0	53.4	54.1	54.2	54.5	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.9
>=18000	43.3	50.3	52.0	53.4	54.1	54.3	54.5	54.7	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9
>=16000	43.4	50.3	52.1	53.5	54.2	54.4	54.6	54.7	54.7	54.8	54.9	54.9	54.9	54.9	54.9	55.0
>=14000	44.0	51.1	52.9	54.3	55.0	55.2	55.4	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8
>=12000	45.4	52.9	54.8	56.3	57.1	57.3	57.5	57.6	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9
>=10000	47.6	55.8	57.9	59.6	60.4	60.6	60.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.3	61.3
>=9000	48.6	57.1	59.3	61.0	61.9	62.1	62.4	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.8	62.8
>=8000	49.7	58.6	61.0	62.8	63.7	63.9	64.2	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.7
>=7000	50.7	60.0	62.4	64.2	65.2	65.4	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.2
>=6000	51.4	60.9	63.4	65.3	66.2	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.3
>=5000	53.0	63.0	65.5	67.5	68.5	68.7	69.1	69.2	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.6
>=4500	54.0	64.3	66.9	69.0	70.0	70.2	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.1
>=4000	55.3	66.1	68.8	70.9	72.0	72.2	72.6	72.8	72.8	72.9	73.0	73.0	73.0	73.0	73.1	73.1
>=3500	56.4	67.5	70.3	72.4	73.6	73.9	74.2	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.8
>=3000	57.5	69.1	71.9	74.2	75.4	75.7	76.1	76.3	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.7
>=2500	58.6	70.6	73.5	75.9	77.2	77.5	77.9	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.5
>=2000	59.5	71.9	75.0	77.5	78.8	79.2	79.6	79.9	79.9	80.0	80.1	80.1	80.2	80.2	80.2	80.2
>=1800	59.8	72.5	75.6	78.2	79.5	79.9	80.4	80.6	80.6	80.8	80.8	80.8	80.9	80.9	80.9	81.0
>=1500	60.4	73.7	77.0	79.7	81.2	81.5	82.1	82.3	82.4	82.5	82.6	82.6	82.6	82.7	82.7	82.7
>=1200	61.0	74.9	78.4	81.3	82.9	83.3	83.9	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.6	84.6
>=1000	61.3	75.8	79.6	82.7	84.4	84.9	85.6	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.4	86.4
>=900	61.5	76.4	80.3	83.7	85.6	86.1	86.8	87.2	87.2	87.5	87.6	87.6	87.6	87.6	87.7	87.7
>=800	61.6	77.0	81.0	84.6	86.7	87.3	88.2	88.6	88.7	89.0	89.1	89.1	89.1	89.1	89.2	89.2
>=700	61.7	77.4	81.7	85.7	88.0	88.7	89.7	90.2	90.3	90.7	90.8	90.8	90.8	90.9	90.9	90.9
>=600	61.8	77.8	82.3	86.6	89.3	90.1	91.4	92.0	92.1	92.5	92.7	92.7	92.8	92.8	92.8	92.9
>=500	61.8	77.9	82.6	87.2	90.2	91.1	92.6	93.4	93.5	94.1	94.3	94.3	94.4	94.5	94.5	94.6
>=400	61.8	78.0	82.7	87.5	90.8	91.8	93.7	94.7	94.9	95.7	96.0	96.0	96.1	96.2	96.2	96.3
>=300	61.8	78.0	82.8	87.7	91.1	92.2	94.3	95.6	95.8	96.9	97.3	97.3	97.5	97.6	97.6	97.7
>=200	61.8	78.0	82.8	87.7	91.2	92.3	94.4	95.9	96.1	97.5	98.1	98.1	98.5	98.6	98.7	98.8
>=100	61.8	78.0	82.8	87.7	91.2	92.3	94.5	96.0	96.1	97.6	98.3	98.3	98.8	99.0	99.3	99.5
>= 0	61.8	78.0	82.8	87.7	91.2	92.3	94.5	96.0	96.2	97.6	98.3	98.3	98.9	99.1	99.5	100.0

TOTAL NO. OF OBS : 109473

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN

PAGE 1

DRY-BULB

TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL		TOTAL OBS	
																		D.B./ W.B.	DRY	WET	DEW
>= 65	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 63	.0	.0	.0	.0*	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 61	.0	.0	.0*	.0*	.0	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	0	0
>= 59	.0	.1	.0*	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11	0	0
>= 57	.0*	.1	.1	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	31	12	5
>= 55	.1	.3	.1	.1	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	58	37	23
>= 53	.1	.4	.1	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	71	52	42
>= 51	.0*	.4	.2	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	81	53	50
>= 49	.1	.4	.1	.1	.2	.1	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	99	73	51
>= 47	.1	.6	.2	.2	.3	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	145	145	89	67
>= 45	.2	.6	.4	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	171	171	112	87
>= 43	.3	.9	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	233	233	151	106
>= 41	.4	1.1	.6	.9	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	332	332	211	113
>= 39	.3	1.3	1.1	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	417	417	235	172
>= 37	.4	2.0	1.4	1.2	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	534	534	312	183
>= 35	.5	2.5	1.8	1.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	656	656	496	234
>= 33	.7	2.9	2.6	1.5	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	769	769	633	305
>= 31	.5	1.9	2.1	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	584	584	444	424
>= 29	.3	1.9	3.0	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	685	685	658	396
>= 27	.4	2.1	2.7	1.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	662	662	649	373
>= 25	.3	2.1	2.9	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	621	621	689	452
>= 23	.1	1.7	2.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	533	533	670	431
>= 21	.2	1.9	2.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	475	475	611	461
>= 19	.3	1.7	2.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	440	440	577	431
>= 17	.2	1.6	2.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	396	396	499	452
>= 15	.1	1.7	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	324	324	446	474
>= 13	.2	1.5	1.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	261	261	374	459
>= 11	.1	1.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	207	207	275	484
>= 9	.1	1.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	183	183	234	444
>= 7	.1	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	128	128	198	420
>= 5	.1	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	112	112	155	389
>= 3	.0*	.8	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	78	98	347
>= 1	.0*	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	34	77	295
>= -1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	28	50	256
>= -3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	16	17	205
>= -5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	12	15	180
>= -7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9	7	142
>= -9	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4	3	122
>= -11	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	2	101
>= -13	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	1	75
>= -15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	71
>= -17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	33
>= -19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	24
>= -21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	17
>= -23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	9
>= -25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	5
>= -27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	6
>= -29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>= -31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN PAGE 2

		FREQ.								WET BULB TEMPERATURE DEPRESSION (DEG F)		TOTAL	TOTAL OBS									
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B./ W.B.	DRY BULB	WET BULB	DEW PT.
ORY-BULB																						
TEMP.	(DEG F)																					

	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356
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STATION	SUM Y	SUM Y**2	MEAN	STD DEV	# OBS
1	10	100	10	0	1
2	20	400	20	0	1
3	30	900	30	0	1
4	40	1600	40	0	1
5	50	2500	50	0	1
6	60	3600	60	0	1
7	70	4900	70	0	1
8	80	6400	80	0	1
9	90	8100	90	0	1
10	100	10000	100	0	1
11	110	12100	110	0	1
12	120	14400	120	0	1
13	130	16900	130	0	1
14	140	19600	140	0	1
15	150	22500	150	0	1
16	160	25600	160	0	1
17	170	28900	170	0	1
18	180	32400	180	0	1
19	190	36100	190	0	1
20	200	40000	200	0	1
21	210	44100	210	0	1
22	220	48400	220	0	1
23	230	52900	230	0	1
24	240	57600	240	0	1
25	250	62500	250	0	1
26	260	67600	260	0	1
27	270	72900	270	0	1
28	280	78400	280	0	1
29	290	84100	290	0	1
30	300	90000	300	0	1
31	310	96100	310	0	1
32	320	102400	320	0	1
33	330	108900	330	0	1
34	340	115600	340	0	1
35	350	122500	350	0	1
36	360	129600	360	0	1
37	370	136900	370	0	1
38	380	144400	380	0	1
39	390	152100	390	0	1
40	400	160000	400	0	1
41	410	168100	410	0	1
42	420	176400	420	0	1
43	430	184900	430	0	1
44	440	193600	440	0	1
45	450	202500	450	0	1
46	460	211600	460	0	1
47	470	220900	470	0	1
48	480	230400	480	0	1
49	490	240100	490	0	1
50	500	250000	500	0	1
51	510	260100	510	0	1
52	520	270400	520	0	1
53	530	280900	530	0	1
54	540	291600	540	0	1
55	550	302500	550	0	1
56	560	313600	560	0	1
57	570	324900	570	0	1
58	580	336400	580	0	1
59	590	348100	590	0	1
60	600	360000	600	0	1
61	610	372100	610	0	1
62	620	384400	620	0	1
63	630	396900	630	0	1
64	640	409600	640	0	1
65	650	422500	650	0	1
66	660	435600	660	0	1
67	670	448900	670	0	1
68	680	462400	680	0	1
69	690	476100	690	0	1
70	700	4			

40 - MEAN NO. OF HOURS WITH TEMP.
<=0 F <=32 F >=67 F >=73 F >=80 F >=93 F

REL HUM	64.7	18.576	9418	5.8	458.1	.0	.0	744
28 - REL HUM	64.7	18.576	9418	5.8	458.1	.0	.0	744
15 - DRY BULB	28.5	11.350	9419	8.2	549.8	.0	.0	744
16 - WET BULB	25.5	11.008	9415	98.7	630.4	.0	.0	744
17 - DEW PT.	17.3	14.847	9419					

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : FEB
PAGE 1

DRY-BULB TEMP. (DEG F)	3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)										TOTAL			TOTAL OBS								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	0-8.7 W.B.	DRY BULB	WET BULB	DEW PT.	
>= 69	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 67	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 65	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	0	0
>= 63	.0	.0	.0	.0*	.0	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4	0	0
>= 61	.0	.0	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	0	0
>= 59	.0	.0	.0	.0*	.0*	.0*	.0*	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	6	6	0	0
>= 57	.0	.0*	.0*	.0*	.0*	.0*	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	18	2	0
>= 55	.0*	.1	.1	.1	.0*	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	41	16	4
>= 53	.1	.2	.1	.1	.1	.0*	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	58	22	19
>= 51	.0*	.2	.1	.1	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	76	76	38	22
>= 49	.1	.5	.3	.2	.1	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	122	58	34
>= 47	.1	.6	.3	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	171	171	84	55
>= 45	.1	.7	.4	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	199	199	120	73
>= 43	.2	.7	.6	.7	.6	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	252	252	150	108
>= 41	.2	1.0	.8	.8	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	318	318	180	106
>= 39	.4	1.6	1.3	1.2	.8	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	475	475	286	130
>= 37	.5	2.2	1.7	1.5	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	580	580	387	209
>= 35	.4	2.9	2.1	1.7	.7	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	672	672	537	233
>= 33	.5	3.5	2.6	1.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	792	792	652	355
>= 31	.7	2.7	2.6	1.8	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	704	704	750	458
>= 29	.3	2.3	2.8	1.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	645	645	696	425
>= 27	.3	2.2	2.6	1.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	600	600	710	461
>= 25	.2	1.9	2.5	1.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	499	499	633	447
>= 23	.1	1.6	2.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	418	418	588	447
>= 21	.1	1.4	2.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	371	371	497	481
>= 19	.1	1.3	2.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	312	312	444	416
>= 17	.1	1.1	1.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	285	285	366	425
>= 15	.0*	1.1	1.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	216	216	293	410
>= 13	.0*	1.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	191	191	288	408
>= 11	.1	1.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	150	150	215	386
>= 9	.1	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	130	130	167	344
>= 7	.1	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	107	107	149	389
>= 5	.0*	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	60	100	302
>= 3	.0*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	33	64	266
>= 1	.0*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	26	32	188
>= -1	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	17	36	197
>= -3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	9	176
>= -5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9	10	150
>= -7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4	4	112
>= -9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	99
>= -11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	79
>= -13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	56
>= -15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	40
>= -17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	29
>= -19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	14
>= -21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	15
>= -23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	12
>= -25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>= -27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1

3 - PSYCHROMETRIC SUMMARY

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : FEB PAGE 2

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

	FREQ.	WET BULB TEMPERATURE DEPRESSION (DEG F)	TOTAL	TOTAL OBS
DRY-BULB TEMP. (DEG F)			D.B./ W.B.	DRY BULB PT.
0	1-2		> 30	
	3-4		29-30	
	5-6		27-28	
	7-8		25-26	
	9-10		23-24	
	11-12		21-22	
	13-14		19-20	
	15-16		17-18	
	17-18		15-16	
	19-20		13-14	
	21-22		11-12	
	23-24		9-10	
	25-26		7-8	
	27-28		5-6	
	29-30		3-4	
			1-2	
			0	

[illegible][illegible]

	REL HUM	548846.	38222972.	63.9	19.087	8583	3.1	374.8	.2	.0	672
28 -	REL HUM	548846.	38222972.	63.9	19.087	8583	3.1	374.8	.2	.0	672
15 -	DRY BULB	259481.	8831797.	30.2	10.725	8583	4.7	473.8	.0	.0	672
16 -	WET BULB	230834.	7102104.	26.9	10.206	8583	76.9	566.5	.0	.0	672
17 -	DEW PT.	158730.	4636102.	18.5	14.077	8583					

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAR
PAGE 1

DRY-BULB TEMP. (DEG F)	3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)										TOTAL				TOTAL OBS						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	0.8-/ W.B.	DRY BULB	WET BULB	DEW PT.
>= 75	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	3	3	0	0
>= 71	.0	.0	.0	.0	.0*	.0*	.0	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	4	4	0	0
>= 69	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	12	12	0	0
>= 67	.0	.0	.0	.0*	.0	.0*	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	18	18	0	0
>= 65	.0	.0	.0	.0	.1	.0*	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	17	17	0	0
>= 63	.0	.0	.0*	.0*	.0*	.0*	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	27	27	3	0
>= 61	.0	.0	.0*	.1	.0*	.1	.1	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	34	34	1	0
>= 59	.0	.0*	.0*	.1	.1	.1	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	65	65	7	2
>= 57	.0*	.2	.1	.1	.1	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	92	92	24	12
>= 55	.0*	.2	.1	.1	.2	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	98	98	42	13
>= 53	.0*	.3	.2	.3	.2	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	157	157	72	33
>= 51	.0*	.7	.3	.3	.4	.4	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	241	241	98	51
>= 49	.1	.8	.4	.4	.5	.5	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	321	321	163	90
>= 47	.2	1.1	.4	.6	.6	.8	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	394	394	212	122
>= 45	.2	1.1	.7	.8	.9	.8	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	450	450	260	178
>= 43	.2	1.6	.9	1.3	1.5	1.0	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	637	637	294	166
>= 41	.3	1.7	1.5	1.5	1.4	.6	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	681	681	462	213
>= 39	.3	2.3	2.1	1.8	1.4	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	790	790	564	269
>= 37	.5	3.1	2.3	1.9	1.4	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	921	921	828	350
>= 35	.5	3.3	2.5	2.0	1.0	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	883	883	962	448
>= 33	.5	3.2	2.9	1.9	.9	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	879	879	1016	555
>= 31	.4	2.2	2.1	2.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	700	700	940	665
>= 29	.2	1.7	2.0	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	550	550	816	596
>= 27	.2	1.0	1.6	1.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	391	391	675	609
>= 25	.2	.9	1.5	.8	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	324	324	543	635
>= 23	.1	.5	1.3	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	234	433	567
>= 21	.0*	.3	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	162	162	319	531
>= 19	.0	.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	102	213	467
>= 17	.0*	.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	82	174	450
>= 15	.0*	.2	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	56	111	432
>= 13	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	47	73	325
>= 11	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	18	52	338
>= 9	.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	12	28	309
>= 7	.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	17	234
>= 5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	0	204
>= 3	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	10	133
>= 1	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	1	108
>= -1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	2	86
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	74
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	46
>= -7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	35
>= -9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	31
>= -11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	24
>= -13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	11
>= -15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	5
>= -17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	4
>= -19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 MONTH : MAR
 PAGE 2

DRY-BULB 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 > 30 D.B./ W.B. BULB WET DEW
 TEMP. IDEG F) TOTAL TOTAL OBS

TOTAL 4.1 27.4 26.3 19.9 11.7 6.2 2.7 1.0 .5 .1 .0* .0* .0 .0 .0 .0 .0 9423 9423 9423

ELEMENT(X) SUM X SUM X**2 MEAN STD DEV # OBS
 20 - REL HUM 594197. 41479949. 63.1 20.633 9423
 15 - DRY BULB 352355. 14015453. 37.4 9.441 9423
 16 - WET BULB 310828. 10956000. 33.0 8.638 9423
 17 - DEW PT. 231709. 7154025. 24.6 12.433 9423

40 - MEAN NO. OF HOURS WITH TEMP.
 <=0 F <=32 F >=67 F >=73 F >=80 F >=93 F TOTAL
 .0 212.9 3.1 .4 .0 .0 744
 .2 348.7 .0 .0 .0 .0 744
 25.1 546.5 .0 .0 .0 .0 744

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
PAGE 1

DRY-BULB TEMP. (DEG F)		2 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																TOTAL		TOTAL OBS		
0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B./ W.B.	DRY BULB	WET BULB	DEW PT.		
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	1	1	0	0		
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0		
>= 93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0		
>= 91	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0		
>= 89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	1	1	0	0		
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	1	1	0	0		
>= 85	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0	.0*	.0	.0	.0	8	8	0	0		
>= 83	.0	.0	.0	.0	.0	.0	.0*	.0	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	7	7	0	0		
>= 81	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0	.0	.0	.0	.0	7	7	0	0		
>= 79	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	14	14	0	0		
>= 77	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	20	20	0	0		
>= 75	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.1	.0*	.0*	.0*	.0	.0	.0	26	26	0	0		
>= 73	.0	.0	.0	.0	.0	.1	.1	.0*	.1	.1	.0*	.0*	.0	.0	.0	.0	52	52	0	0		
>= 71	.0	.0	.0	.0	.0*	.1	.1	.1	.0*	.1	.0*	.1	.0	.0	.0	.0	45	45	1	0		
>= 69	.0	.0	.0	.0	.1	.2	.1	.1	.2	.1	.0*	.0	.0	.0	.0	.0	88	88	5	0		
>= 67	.0	.0	.0	.0*	.1	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	103	103	1	0		
>= 65	.0	.0	.0*	.2	.2	.1	.1	.3	.2	.0*	.0	.0	.0	.0	.0	.0	120	120	8	0		
>= 63	.0	.0	.1	.2	.2	.2	.2	.4	.2	.0*	.0	.0	.0	.0	.0	.0	153	153	30	1		
>= 61	.0	.1	.3	.3	.2	.3	.4	.5	.2	.0*	.0	.0	.0	.0	.0	.0	226	226	51	3		
>= 59	.0	.2	.4	.3	.3	.4	.7	.6	.1	.0*	.0	.0	.0	.0	.0	.0	313	313	93	6		
>= 57	.0*	.6	.6	.3	.4	.5	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	390	390	148	50		
>= 55	.1	1.0	.5	.6	.6	.8	.8	.6	.1	.0*	.0	.0	.0	.0	.0	.0	474	474	224	121		
>= 53	.2	.9	.8	.5	.8	.9	.8	.6	.1	.0*	.0	.0	.0	.0	.0	.0	504	504	281	163		
>= 51	.2	1.4	1.2	.8	.9	1.2	1.0	.4	.0*	.0	.0	.0	.0	.0	.0	.0	649	649	347	232		
>= 49	.3	1.2	1.1	1.2	1.5	1.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	673	673	491	256		
>= 47	.3	1.8	1.4	1.8	1.7	1.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	820	820	598	288		
>= 45	.3	2.4	1.9	1.8	1.5	.9	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	842	842	761	341		
>= 43	.2	2.5	2.1	2.0	1.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	805	805	859	402		
>= 41	.3	2.6	2.3	1.7	.9	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	747	747	1036	445		
>= 39	.3	2.1	2.2	1.6	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	635	635	1048	598		
>= 37	.1	2.1	1.7	1.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	516	516	901	654		
>= 35	.0*	1.5	1.2	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	361	361	783	683		
>= 33	.1	1.0	.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	244	244	550	693		
>= 31	.0*	.4	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	138	138	347	742		
>= 29	.0	.2	.2	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	63	247	660		
>= 27	.0*	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	31	143	553		
>= 25	.0*	.0*	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	17	77	476		
>= 23	.0	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11	47	393		
>= 21	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	16	296		
>= 19	.0	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	15	266		
>= 17	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	9	232		
>= 15	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	1	169		
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	2	86		
>= 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	92		
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	90		
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	56		
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	42		
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	17		

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

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56 FT

014765 PROVIDENCE, RI
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NET RAIN & TEMPERATURE DEPRESSION (DEG F)

DRY-BULB TEMP	FREQ.	WET BULB	TEMPERATURE DEPRESSION (DEG F)	REL. HUM.	DRY WET	DEW PT.
0	1-2	3-4	5-6	7-8	9-10	11-12
13-14	15-16	17-18	19-20	21-22	23-24	25-26
27-28	29-30	> 30	0.8-1			

[illegible]

40 - MEAN NO. OF HOURS WITH TEMP.

ELEMENTIX)		SUM X	SUM X*2	MEAN	STD DEV	# OBS	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
20	- REL MUM	56081.	39168165.	61.9	21.662	9120	.0	21.6	29.5	10.8	2.5	.1	720
15	- DRY BULB	436165.	21687249.	47.8	9.514	9119	.0	71.4	.6	.0	.0	.0	720
16	- WET BULB	380331.	16412191.	41.7	7.657	9120	.0	330.2	.0	.0	.0	.0	720
17	- DEW PT.	306016.	11318298.	33.6	10.731	9120	.4						

	REL HUM	61.9	21.662	9120		2.5		1	720
28 -	REL HUM	56001.	39168165.	61.9	21.662	9120		.1	720
15 -	DRY BULB	436165.	21687249.	47.0	9.514	9119		.0	720
16 -	WET BULB	380531.	16412191.	41.7	7.657	9120		.0	720
17 -	DEW PT.	306016.	11318298.	33.6	10.731	9120		.0	720

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
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LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
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DRY-BULB TEMP. (DEG F)		2 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)										TOTAL		TOTAL OBS						
0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	0.8-/ W.B.	DRY BULB	WET BULB	DEW PT.
>= 91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0
>= 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	0	0
>= 87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	0	0
>= 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28	0	0
>= 83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	43	0	0
>= 81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	42	0	0
>= 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	72	0	0
>= 77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	91	0	0
>= 75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	155	0	0
>= 73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	184	184	8	0
>= 71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	256	256	28	0
>= 69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	296	296	65	6
>= 67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	374	374	101	17
>= 65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	501	501	171	63
>= 63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	600	302	142
>= 61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	636	636	391	234
>= 59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	770	770	534	327
>= 57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	772	772	700	437
>= 55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	783	779	510	510
>= 53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	770	770	862	562
>= 51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	707	707	863	603
>= 49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	696	696	940	643
>= 47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	542	542	939	662
>= 45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	440	873	702
>= 43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294	294	662	765
>= 41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174	174	497	672
>= 39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	92	347	594
>= 37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	39	177	547
>= 35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	99	506
>= 33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	49	332
>= 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	19	287
>= 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	10	239
>= 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	187
>= 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	132
>= 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
>= 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
>= 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
>= 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
>= 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
>= 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
>= 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
>= 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
>= 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
>= 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
>= 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY
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DRY-BULB 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 > 30 TOTAL TOTAL OBS

TEMP. (DEG F) 3.0 24.0 17.6 13.7 11.2 9.2 7.6 6.1 3.7 2.3 1.1 .4 .2 .0* .0* .0 .0 9420 9420 9420
W.B. BULB PT. 0.8 .7 0.8 .7 0.8 .7 0.8 .7 0.8 .7 0.8 .7 0.8 .7 0.8 .7 0.8 .7 9420 9420 9420

ELEMENTARY SUM X SUM X**2 MEAN STD DEV # OBS

28 - REL HUM 626708. 45904864. 66.5 21.142 9420
15 - DRY BULB 541585. 31972717. 57.5 9.417 9420
16 - WET BULB 480950. 25087622. 51.1 7.516 9420
17 - DEW PT. 422132. 19875014. 44.8 10.087 9420

4C - MEAN NO. OF HOURS WITH TEMP.

<=0 F <=32 F >=67 F >=73 F >=80 F >=93 F TOTAL
.0 .3 123.6 50.5 13.3 .0 744
.3 2.9 16.0 .6 .0 .0 744
.0 86.6 1.8 .0 .0 .0 744

3 - PSYCHROMETRIC SUMMARY

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 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
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DRY-BULB TEMP. (DEG F)		% FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																TOTAL		TOTAL OBS	
0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B./ W.B.	DRY BULB	WET BULB	DEW PT.	
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	16	0	0
>= 91	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	32	32	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	57	57	0	0
>= 87	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	71	71	0	0
>= 85	.0	.0	.0	.0	.0	.1	.2	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	132	132	0	0
>= 83	.0	.0	.0	.0	.0	.2	.3	.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	144	144	0	0
>= 81	.0	.0	.0	.0	.0	.4	.5	.5	.3	.3	.1	.0	.0	.0	.0	.0	.0	232	232	0	0
>= 79	.0	.0	.0	.0	.2	.4	.7	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0	300	300	6	0
>= 77	.0	.0	.0	.4	.7	.6	.6	.6	.3	.1	.1	.1	.0	.0	.0	.0	.0	369	369	19	1
>= 75	.0	.0	.3	.8	.7	.8	.8	.6	.4	.4	.1	.0	.1	.0	.0	.0	.0	448	448	56	4
>= 73	.0	.1	.6	1.1	.9	.7	.5	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	506	506	145	15
>= 71	.0	.5	1.4	1.0	1.0	.8	.8	.5	.6	.2	.1	.0	.0	.0	.0	.0	.0	626	626	268	80
>= 69	.1	1.4	1.9	1.1	1.2	1.2	.7	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	777	777	498	198
>= 67	.2	1.7	1.7	1.2	1.2	.8	.7	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	766	766	723	428
>= 65	.2	2.5	2.0	1.4	1.0	.9	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	834	834	777	571
>= 63	.2	2.8	1.9	1.5	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	792	792	912	639
>= 61	.4	2.6	1.5	1.2	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	684	684	968	792
>= 59	.4	2.7	1.9	.9	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	656	656	1003	805
>= 57	.1	2.6	1.3	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	518	518	921	775
>= 55	.2	2.1	1.2	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	417	417	848	842
>= 53	.2	1.7	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	336	336	738	799
>= 51	.1	1.0	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	191	191	521	697
>= 49	.0	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	115	115	346	553
>= 47	.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	58	197	546
>= 45	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	28	99	432
>= 43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	47	302
>= 41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	17	261
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	8	161
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1	104
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	60
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	26
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	16
>= 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	10
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
TOTAL	2.3	23.1	18.1	13.5	11.2	9.1	7.1	6.2	4.7	2.7	1.5	.5	.1	.0	.0	.0	.0	9117	9117	9118	9118

ELEMENT(X)	SUM X	SUM X**2	MEAN STD DEV	N OBS	40 - MEAN NO. OF HOURS WITH TEMP.					TOTAL
					<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F
20 - REL HUM	637622.	47875154.	69.9	18.986	9118					
15 - DRY BULB	608939.	41406905.	66.8	8.979	9117					
16 - WET BULB	547915.	33333199.	60.1	6.691	9118					
17 - DEW PT.	505392.	28616024.	55.4	8.134	9118					

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[illegible]

ELEMENT(X)	SUM X	SUM X**2	MEAN	STD DEV	# OBS	Q C - MEAN NO. OF HOURS WITH TEMP.					
						<=0 F	<=32 F	>=67 F	>=73 F	>=93 F	TOTAL
28 - REL HUM	666414.	50206546.	70.7	18.070	9423	.0	.0	582.0	353.2	141.7	5.2
15 - DRY BULB	683321.	50118401.	72.5	7.754	9423	.0	.1	340.2	78.1	.9	.0
16 - WET BULB	617330.	40738710.	65.5	5.600	9423	.0	.0	206.9	15.8	.2	.0
17 - DEN PT.	578174.	35951428.	61.4	7.108	9423	.0	.0	206.9	15.8	.2	.0

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG
PAGE 1

DRY-BULB		3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																TOTAL		TOTAL OBS	
TEMP.	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	0-8.7	DRY	WET	DEW
(DEG F)																		W.B.	BULB	BULB	PT.
>=103	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	1	1	0	0
>=101	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	2	2	0	0
>= 95	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0*	.0*	.0*	.0	.0	.0	.0	4	4	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.1	.0*	.0*	.0	.0	.0	.0	15	15	0	0
>= 91	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.1	.0*	.0*	.0	.0	.0	.0	42	42	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.1	.0*	.0	.0	.0	.0	.0	57	57	0	0
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0*	.0	.0	.0	.0	.0	110	110	0	0
>= 85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0*	.0*	.0	.0	.0	.0	204	204	0	0
>= 83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0*	.0*	.0	.0	.0	.0	283	283	3	0
>= 81	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.2	.0*	.0	.0	.0	.0	.0	378	378	5	0
>= 79	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0*	.0	.0	.0	.0	.0	469	469	7	4
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	584	584	76	4
>= 75	.0*	1.0	1.7	1.4	1.0	1.0	.8	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	825	825	228	31
>= 73	.2	2.2	1.9	1.6	1.0	.8	.7	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	897	897	628	239
>= 71	.3	2.8	2.1	1.5	.9	1.1	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	941	941	817	537
>= 69	.4	2.6	2.8	1.6	1.0	.8	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	972	972	984	785
>= 67	.4	2.5	2.6	1.7	.9	.4	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	834	834	1071	817
>= 65	.4	2.9	2.3	1.4	.7	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	787	787	1056	889
>= 63	.2	2.8	1.7	1.2	.6	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	639	639	1111	857
>= 61	.2	2.3	1.3	.8	.5	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	488	488	990	972
>= 59	.1	1.6	1.1	.4	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	333	333	840	889
>= 57	.0*	.9	.6	.5	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	213	213	613	777
>= 55	.0*	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	156	156	404	686
>= 53	.0*	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96	96	244	498
>= 51	.0	.2	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	41	154	389
>= 49	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	24	96	350
>= 47	.0	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11	50	232
>= 45	.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	17	193
>= 43	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	15	147
>= 41	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	6	50
>= 39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1	40
>= 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	11
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	14
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	2
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
TOTAL	2.2	23.4	20.2	14.9	10.4	8.4	7.4	6.2	4.1	1.8	.8	.2	.1	.0	.0	.0	.0	9416	9416	9416	9416

ELEMENT(X) SUM X SUM X**2 MEAN STD DEV # OBS 40 - MEAN NO. OF HOURS WITH TEMP. <=0 F <=32 F >=67 F >=73 F >=80 F >=93 F TOTAL

28 - REL HUM 685901. 52824805. 72.8 17.432 9416
15 - DRY BULB 666749. 47805647. 70.8 7.936 9416
16 - WET BULB 607653. 39583557. 64.5 6.262 9416
17 - DEW PT. 571634. 35252478. 60.7 7.638 9416

.0 522.9 305.9 106.0 1.7 744
.6 301.8 74.8 .9 .0 744
.2 191.0 22.0 .1 .0 744

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : SEP
PAGE 1

DRY-BULB

3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)

TEMP.
(DEG F)

TOTAL TOTAL OBS

W.B. DRY WET DEM
BULB BULB PT.

0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B. / W.B.	DRY	WET	DEM
>= 99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 95	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	0	0
>= 93	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	0	0
>= 91	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	15	0	0
>= 89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	23	0	0
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	28	0	0
>= 85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	38	0	0
>= 83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	80	0	0
>= 81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	110	110	0	0
>= 79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	175	175	0	0
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	236	236	14	0
>= 75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	369	369	70	5
>= 73	.1	.8	.6	.7	.6	.5	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	458	458	165	50
>= 71	.1	1.2	1.5	.7	.6	.7	.8	.5	.3	.1	.0	.0	.0	.0	.0	.0	583	583	280	154
>= 69	.2	1.4	1.6	.7	.6	.9	.8	.7	.3	.0	.0	.0	.0	.0	.0	.0	657	657	426	296
>= 67	.1	2.2	1.7	.9	.8	.8	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	713	713	527	383
>= 65	.2	2.2	1.4	1.2	.8	.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	723	723	603	505
>= 63	.2	2.3	1.1	1.1	.9	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	659	659	676	522
>= 61	.3	2.6	1.8	1.2	.8	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	732	732	703	529
>= 59	.3	2.5	1.9	1.2	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	692	692	839	564
>= 57	.3	2.2	2.1	.9	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	611	611	854	664
>= 55	.2	2.6	1.7	1.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	569	569	797	631
>= 53	.1	2.2	1.6	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	471	471	797	714
>= 51	.1	1.6	1.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	369	369	655	741
>= 49	.1	1.1	1.1	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	266	266	526	659
>= 47	.1	.7	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	194	421	569
>= 45	.0	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	138	138	254	495
>= 43	.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	89	89	222	431
>= 41	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	49	143	392
>= 39	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	36	69	294
>= 37	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	18	33	201
>= 35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	28	120
>= 33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	11	66
>= 31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	1	32
>= 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	35
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	27
>= 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	18
>= 23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	8
>= 21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	5
>= 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	3
>= 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT PAGE 1

DRY-BULB

3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)

[illegible][illegible]

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT
PAGE 2

3 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)

TEMP.	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	W.B.	DRY	WET	DEW	BULB	PT.	TOTAL	TOTAL OBS
(DEG F)																									
TOTAL	3.3	29.5	22.0	14.8	10.8	9.2	5.7	3.0	1.3	.4	.1	.0*	.0*	.0*	.0	.0	.0	9418	9418	9418	9418	9418	9418	9418	9418

ELEMENT(X)

	SUM X	SUM X**2	MEAN STD DEV	* OBS
28 - REL HUM	665856.	50448440.	70.7	18.923
15 - DRY BULB	502628.	27793540.	53.4	10.143
16 - WET BULB	455247.	22817683.	48.3	9.286
17 - DEW PT.	405096.	18670010.	43.0	11.501

40 - MEAN NO. OF HOURS WITH TEMP.

	<=0 F	<=32 F	>=67 F	>=73 F	>=80 F	>=93 F	TOTAL
28 - REL HUM	.0	13.7	70.1	19.7	2.8	.0	744
15 - DRY BULB	.5	34.4	11.5	.2	.0	.0	744
16 - WET BULB	.0	146.5	4.0	.1	.0	.0	744

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986 MONTH : NOV
 PAGE 1

DRY-BULB TEMP. (DEG F)		2 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)										TOTAL		TOTAL OBS						
0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B./ W.B.	DRY BULB	WET BULB	OBS PT.
>= 79	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1	1	0	0
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>= 75	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	0	0
>= 73	.0	.0	.0	.0	.0*	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	5	5	0	0
>= 71	.0	.0	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9	0	0
>= 69	.0	.0*	.0*	.0*	.1	.0*	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	26	26	0	0
>= 67	.0	.1	.1	.1	.1	.1	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	54	54	8	2
>= 65	.0	.2	.1	.1	.1	.0*	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	63	63	24	15
>= 63	.0*	.4	.2	.2	.1	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	126	126	44	29
>= 61	.1	.7	.3	.3	.1	.1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	155	155	81	43
>= 59	.1	.8	.4	.3	.1	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	205	205	123	82
>= 57	.1	1.4	.7	.3	.4	.3	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	318	318	154	124
>= 55	.3	1.7	.7	.5	.4	.3	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	388	388	270	176
>= 53	.3	1.6	.7	.7	.6	.5	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	441	441	316	253
>= 51	.3	1.8	1.0	.8	.7	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	496	496	296	254
>= 49	.2	2.1	1.6	1.0	.8	.8	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	603	603	393	294
>= 47	.2	2.0	1.4	1.2	1.3	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	619	619	475	279
>= 45	.2	2.4	1.9	1.3	1.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	704	704	569	317
>= 43	.3	2.2	2.2	1.9	1.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	747	747	602	386
>= 41	.4	1.6	1.8	1.6	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	610	610	673	463
>= 39	.2	1.6	2.0	2.0	1.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	641	641	720	418
>= 37	.2	1.7	1.6	2.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	577	577	677	449
>= 35	.2	1.7	1.9	1.8	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	557	557	679	499
>= 33	.2	1.7	2.1	1.2	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	497	497	662	502
>= 31	.1	1.5	1.9	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	414	414	640	523
>= 29	.1	1.3	1.6	.6	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	331	331	548	582
>= 27	.1	.7	1.0	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	194	194	430	542
>= 25	.1	.8	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	142	142	315	550
>= 23	.0*	.5	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	75	182	453
>= 21	.0*	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50	50	101	465
>= 19	.0*	.2	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	33	57	362
>= 17	.0	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	35	331
>= 15	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6	24	227
>= 13	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	6	161
>= 11	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	2	127
>= 9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	79
>= 7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	53
>= 5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	23
>= 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	24
>= 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	10
>= -1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	7
>= -3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1
>= -5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	1

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
PAGE : 1

DRY-BULB TEMP. (DEG F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	TOTAL			TOTAL OBS		
																		W.B.	BULB	BULB	DRY	WET	OBS
>= 69	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	2	2	2	0	0	0
>= 67	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	1	1	1	0	0	0
>= 65	.0	.0*	.0	.0*	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	5	0	0	0
>= 63	.0	.1	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	10	1	1	0
>= 61	.0	.1	.0*	.0*	.0*	.1	.0	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	34	34	34	8	8	3
>= 59	.0*	.2	.1	.1	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	54	54	54	21	16	
>= 57	.0*	.5	.2	.1	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	90	90	90	34	19	
>= 55	.1	.6	.2	.1	.1	.1	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	104	104	104	89	61	
>= 53	.1	.8	.3	.2	.1	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	151	151	151	113	83	
>= 51	.2	.8	.4	.2	.1	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	174	174	174	120	111	
>= 49	.1	.8	.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	182	182	182	136	107	
>= 47	.1	1.0	.4	.4	.4	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	229	229	229	155	102	
>= 45	.3	1.1	.6	.5	.5	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	300	300	300	215	156	
>= 43	.2	1.1	.9	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	364	364	364	209	164	
>= 41	.2	1.3	1.1	1.1	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	437	437	437	255	176	
>= 39	.4	1.7	1.6	1.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	533	533	533	365	189	
>= 37	.3	2.3	2.0	1.7	.7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	666	666	666	475	234	
>= 35	.4	2.8	2.6	1.7	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	761	761	761	638	331	
>= 33	.6	3.0	2.9	1.8	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	819	819	819	773	387	
>= 31	.4	2.9	2.9	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	795	795	795	765	553	
>= 29	.3	2.1	3.1	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	668	668	668	794	502	
>= 27	.4	2.1	2.7	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	618	618	618	742	506	
>= 25	.3	1.6	2.3	.7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	455	455	455	711	555	
>= 23	.2	1.5	2.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	403	403	403	573	544	
>= 21	.2	1.7	1.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	359	359	359	490	502	
>= 19	.2	1.6	1.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	290	290	290	405	496	
>= 17	.1	1.5	1.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	258	258	258	360	468	
>= 15	.1	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	210	210	210	289	467	
>= 13	.1	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	122	122	224	422	
>= 11	.0*	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96	96	96	133	427	
>= 9	.0*	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	76	76	76	104	383	
>= 7	.0*	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	58	58	72	304	
>= 5	.0*	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	38	38	60	258	
>= 3	.0*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	22	22	39	233	
>= 1	.0*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9	9	19	138	
>= -1	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	7	13	114	
>= -3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9	9	8	108	
>= -5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	5	7	92	
>= -7	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	1	0	52	
>= -9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	32	
>= -11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	34	
>= -13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	19	
>= -15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	21	
>= -17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	12	
>= -19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	7	
>= -21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	8	
>= -23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0	11	

3 - PSYCHROMETRIC SUMMARY

Q14765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
PAGE 2

		FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL		TOTAL OBS	
DRY-BULB	TEMP.	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	0-8.7	DRY	WET	DEW
(DEG F)																			W.B.	BULB	BULB	PT.
TOTAL	5.6	37.6	32.7	16.1	6.1	1.4	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	9415	9417	9415	9415

ELEMENT(X)		SUM X	SUM X**2	MEAN STD DEV	# OBS	40 - MEAN NO. OF HOURS WITH TEMP.										<=0 F		>=73 F		>=80 F		>=93 F		TOTAL
28 - REL HUM		636785.	46108305.	67.6	17.956	9415											1.7	355.4	.2	.0	.0	.0	.0	744
15 - DRY BULB		310665.	11390591.	33.0	11.012	9417											2.9	459.7	.0	.0	.0	.0	.0	744
16 - WET BULB		280479.	9431351.	29.8	10.690	9415											40.9	575.0	.0	.0	.0	.0	.0	744
17 - DEW PT.		213221.	6695659.	22.6	14.082	9415																		

3 - PSYCHROMETRIC SUMMARY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : ANN
PAGE 1

DRY-BULB TEMP. (DEG F)		2 FREQ. WET BULB TEMPERATURE DEPRESSION (DEG F)																	TOTAL		TOTAL OBS	
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 30	D.B.- W.B.	DRY BULB	WET BULB	DEW PT.
>=103	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	1	1	0	0
>=101	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0	0	0
>=99	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	.0	.0*	.0	.0	3	3	0	0
>=97	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0	.0	.0*	.0	.0	12	12	0	0
>=95	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	.0	30	30	0	0
>=93	.0	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	69	69	0	0
>=91	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	159	159	0	0
>=89	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	254	254	0	0
>=87	.0	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	389	389	0	0
>=85	.0	.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	668	668	0	0
>=83	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	914	914	5	0
>=81	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	1256	1256	6	0
>=79	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	1633	1633	31	6
>=77	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	2032	2032	200	6
>=75	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	2738	2738	622	68
>=73	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	3078	3078	1558	474
>=71	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0	.0	3592	3592	2308	1243
>=69	.1	.8	.9	.5	.4	.4	.4	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	4044	4044	3191	2169
>=67	.1	.8	.8	.6	.4	.4	.3	.2	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	4058	4058	3767	2761
>=65	.1	1.0	.8	.6	.4	.4	.3	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	4089	4089	3994	3159
>=63	.1	1.1	.7	.5	.4	.4	.3	.2	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	4017	4017	4478	3315
>=61	.1	1.1	.7	.5	.4	.4	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	3953	3953	4529	3717
>=59	.1	1.1	.8	.5	.3	.3	.2	.1	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	4000	4000	4717	3906
>=57	.1	1.2	.7	.4	.4	.4	.3	.2	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	3908	3908	4495	4019
>=55	.1	1.2	.7	.5	.3	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	3864	3864	4413	4176
>=53	.2	1.1	.7	.5	.4	.4	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	3792	3792	4307	4121
>=51	.1	1.1	.7	.5	.4	.4	.3	.2	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	3737	3737	3827	3991
>=49	.1	1.0	.8	.5	.4	.4	.3	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	3780	3780	4061	3861
>=47	.1	1.0	.7	.6	.5	.3	.3	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	3739	3739	3981	3647
>=45	.1	1.1	.8	.6	.5	.3	.3	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3808	3808	4032	3648
>=43	.1	1.0	.8	.7	.5	.2	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3858	3858	3890	3662
>=41	.2	1.0	.8	.8	.4	.2	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3686	3686	4049	3515
>=39	.2	1.0	1.0	.8	.4	.1	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3939	3939	4152	3442
>=37	.2	1.2	1.0	.8	.4	.1	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4107	4107	4222	3466
>=35	.2	1.3	1.1	.8	.3	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4110	4110	4595	3693
>=33	.2	1.3	1.2	.8	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4163	4163	4610	3685
>=31	.2	1.0	1.0	.7	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3423	3423	4283	4120
>=29	.1	.8	1.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2994	2994	3901	3831
>=27	.1	.7	.9	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2520	2520	3421	3571
>=25	.1	.6	.8	.4	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2068	2068	3003	3487
>=23	.1	.5	.8	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1677	1677	2508	3104
>=21	.0*	.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1422	1422	2037	2898
>=19	.0*	.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1184	1184	1711	2551
>=17	.0*	.4	.5	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1032	1032	1443	2457
>=15	.0*	.4	.3	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	813	813	1164	2248
>=13	.0*	.3	.2	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	624	624	967	1894
>=11	.0*	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	472	472	677	1875
>=9	.0*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	401	401	533	1658

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN
PAGE : 1

TEMP. (DEG F)	WIND DIRECTION										TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM			
>= 62	.0	.0	.0	.0	.0	14.3	71.4	14.3	.0	7	.1	
>= 57	.0	.0	.0	2.2	6.5	65.2	26.1	.0	.0	46	.5	
>= 52	3.0	.6	.0	1.8	26.8	48.8	11.0	7.3	.6	164	1.7	
>= 47	4.8	.7	1.0	3.4	30.7	30.0	17.2	10.3	1.7	290	3.1	
>= 42	11.3	10.1	2.3	6.7	18.4	20.8	14.5	14.5	1.4	566	6.0	
>= 37	15.2	10.1	3.1	6.2	10.8	14.5	14.3	22.4	3.6	1121	11.9	
>= 32	21.0	9.8	3.6	5.1	8.2	10.9	14.9	20.7	5.9	1738	18.5	
>= 27	21.0	9.3	4.2	2.1	5.5	7.3	17.6	26.3	6.7	1618	17.2	
>= 22	23.3	7.5	1.5	.8	3.2	7.3	20.2	30.0	6.1	1398	14.8	
>= 17	23.7	7.3	1.5	.6	3.1	6.5	18.9	32.0	6.5	1067	11.3	
>= 12	26.1	5.6	1.0	.1	1.3	5.9	18.9	34.4	6.6	697	7.4	
>= 7	30.0	2.2	.0	.0	1.0	4.9	21.7	36.5	3.7	406	4.3	
>= 2	31.0	.5	.0	.0	.5	4.7	23.0	35.7	4.7	213	2.3	
>= -3	20.3	.0	.0	.0	.0	1.7	22.0	45.8	10.2	59	.6	
>= -8	13.0	.0	.0	.0	.0	4.3	21.7	47.8	13.0	23	.2	
>= -13	16.7	.0	.0	.0	.0	.0	33.3	50.0	.0	6	.1	
TOTALS	20.4	7.7	2.4	2.8	7.3	10.9	17.5	25.8	5.3	9419	100.0	

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VERSUS

WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : FEB
PAGE 1

TEMP. (DEG F)	WIND DIRECTION																TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM									
>= 67	.0	.0	.0	.0	.0	50.0	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.04
>= 62	.0	.0	.0	.0	10.0	30.0	30.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	10	.1
>= 57	.0	.0	7.1	7.1	3.6	50.0	28.6	3.6	.0	.0	.0	.0	.0	.0	.0	.0	28	.3
>= 52	4.7	1.6	1.6	8.7	28.3	26.8	15.7	12.6	.0	.0	.0	.0	.0	.0	.0	.0	127	1.5
>= 47	10.3	3.8	1.2	4.1	27.0	22.9	16.4	12.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	341	4.0
>= 42	12.1	5.4	2.7	8.5	18.9	18.3	15.9	16.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	597	7.0
>= 37	14.9	11.7	4.5	7.5	14.1	12.7	11.1	18.9	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	1227	14.3
>= 32	18.8	17.5	6.4	5.0	9.6	8.1	10.8	19.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	1866	21.7
>= 27	24.4	11.0	3.6	2.2	6.7	8.6	14.0	24.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	1547	18.0
>= 22	23.8	8.6	2.3	2.0	4.2	7.0	16.1	30.8	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	1128	13.1
>= 17	23.9	5.5	1.2	1.1	3.2	6.6	16.1	36.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	757	8.8
>= 12	19.7	3.1	.4	.0	1.2	4.8	22.8	41.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	482	5.6
>= 7	21.8	.6	.6	.0	.6	6.1	22.1	42.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	312	3.6
>= 2	29.9	.9	.0	.0	.9	4.7	17.8	41.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	107	1.2
>= -3	28.2	.0	.0	.0	.0	.0	15.4	53.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	39	.5
>= -8	30.8	.0	.0	.0	.0	.0	.0	69.2	.0	.0	.0	.0	.0	.0	.0	.0	13	.2
TOTALS	19.6	9.8	3.4	3.8	9.1	10.0	14.5	25.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	8583	100.0

NOTES :

* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAR
PAGE : 1

TEMP. (DEG F)	WIND DIRECTION										CALM	TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW					
>= 72	.0	.0	.0	.0	14.3	14.3	28.6	28.6	28.6	14.3	7	.1	
>= 67	6.3	9.4	3.1	.0	12.5	34.4	25.0	9.4	.0	.0	32	.3	
>= 62	5.1	1.7	.0	3.4	18.6	32.2	28.8	10.2	.0	.0	59	.6	
>= 57	7.4	3.4	1.1	4.5	17.6	31.8	22.7	10.8	.6	.6	176	1.9	
>= 52	8.0	2.5	1.9	11.3	24.3	21.3	12.2	18.2	.3	.3	362	3.8	
>= 47	12.4	6.9	3.8	9.5	22.3	15.1	11.9	17.0	1.2	1.2	849	9.0	
>= 42	16.3	9.7	5.1	8.9	18.6	10.7	9.1	19.4	2.2	2.2	1421	15.1	
>= 37	18.4	16.1	5.9	6.1	12.8	6.7	10.3	20.8	2.9	2.9	2058	21.8	
>= 32	21.3	15.9	5.5	4.1	8.4	6.1	11.6	22.5	4.7	4.7	2144	22.8	
>= 27	24.1	9.5	4.7	2.1	5.6	5.3	15.2	28.2	5.2	5.2	1259	13.4	
>= 22	27.1	5.2	1.6	.8	2.5	6.9	14.9	37.4	3.8	3.8	639	6.8	
>= 17	30.2	6.0	.4	.0	1.5	6.8	17.4	35.8	1.9	1.9	265	2.8	
>= 12	40.2	3.6	.0	.9	.0	5.4	14.3	34.8	.9	.9	112	1.2	
>= 7	31.0	.0	.0	.0	.0	.0	10.3	58.6	.0	.0	29	.3	
>= 2	10.0	.0	.0	.0	.0	.0	10.0	80.0	.0	.0	10	.1	
>= -3	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	1	.0*	
TOTALS	19.4	11.3	4.5	5.3	11.9	9.0	12.2	23.1	3.2	3.2	9423	100.0	

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VERSUS

WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION				Calm		TOTAL		% OF TOTAL
	° N	° W	° E	° N	° E	° E	° E	° S	° S	° W	° W	° W	° W	° W	FREQ.	FREQ.	
>= 97	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	1	1	.0*
>= 92	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	0	0	.0
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	2	2	.0*
>= 82	10.0	.0	5.0	.0	.0	.0	.0	20.0	15.0	30.0	20.0	.0	.0	.0	20	20	.2
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	36.1	25.0	.0	.0	.0	36	36	.4
>= 72	5.2	1.0	1.0	1.0	1.0	2.1	8.3	5.6	25.0	29.9	21.6	.0	.0	.0	97	97	1.1
>= 67	6.9	2.8	6.5	2.8	6.5	5.5	5.5	21.2	14.7	17.5	24.9	.0	.0	.0	217	217	2.4
>= 62	11.9	4.9	3.1	4.9	3.1	8.5	8.5	15.0	20.4	18.3	17.6	.3	.3	.3	387	387	4.2
>= 57	9.6	7.7	4.0	7.7	4.0	7.2	7.2	20.9	20.0	12.6	17.1	.9	.9	.9	815	815	8.9
>= 52	11.8	9.9	3.2	9.9	3.2	8.8	8.8	23.8	14.1	11.7	14.8	1.8	1.8	1.8	1297	1297	14.2
>= 47	14.0	10.9	5.3	10.9	5.3	9.3	9.3	20.0	11.4	11.1	15.6	2.4	2.4	2.4	1823	1823	20.0
>= 42	15.5	17.4	5.7	17.4	5.7	6.9	6.9	16.8	8.1	8.9	17.9	3.0	3.0	3.0	2084	2084	22.9
>= 37	18.0	14.8	6.6	14.8	6.6	3.3	3.3	10.3	10.5	12.3	20.5	3.8	3.8	3.8	1461	1461	16.0
>= 32	20.4	10.6	2.1	10.6	2.1	1.3	1.3	5.0	9.0	21.6	25.0	5.0	5.0	5.0	677	677	7.4
>= 27	21.2	6.9	1.2	6.9	1.2	.6	.6	1.2	8.1	17.5	31.9	11.2	11.2	11.2	160	160	1.8
>= 22	25.8	.0	.0	.0	.0	.0	.0	.0	.0	22.6	51.6	.0	.0	.0	31	31	.3
>= 17	30.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	50.0	.0	.0	.0	10	10	.1
>= 12	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	1	1	.0*
TOTALS	14.5	11.8	4.7	11.8	4.7	6.5	6.5	16.4	12.1	12.8	18.5	2.7	2.7	2.7	9119	9119	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		SSE		SSW		WSW		WNW		CALM		TOTAL		% OF TOTAL
	E N	N	E NE	NE	E E	E	E SE	SE	E S	S	E SW	SW	E W	W	E NW	NW			FREQ.		
>= 92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0*
>= 87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	.2	.2
>= 82	2.2	1.1	3.3	3.3	3.3	7.6	7.6	6.5	6.5	34.8	34.8	34.8	21.2	21.2	9.8	9.8	.0	.0	92	1.0	1.0
>= 77	7.6	2.2	3.3	3.3	3.3	8.7	8.7	12.0	12.0	32.1	32.1	32.1	21.2	21.2	12.5	12.5	.5	.5	184	2.0	2.0
>= 72	5.5	6.1	4.1	4.1	4.1	11.4	11.4	19.0	19.0	24.0	24.0	24.0	17.5	17.5	12.2	12.2	.2	.2	458	4.9	4.9
>= 67	8.1	8.3	5.1	5.1	5.1	8.2	8.2	22.2	22.2	19.8	19.8	19.8	13.9	13.9	13.3	13.3	1.2	1.2	807	8.6	8.6
>= 62	8.7	7.5	4.4	4.4	4.4	10.0	10.0	30.1	30.1	16.7	16.7	16.7	9.2	9.2	11.5	11.5	1.7	1.7	1395	14.8	14.8
>= 57	10.0	9.7	4.4	4.4	4.4	9.8	9.8	29.9	29.9	14.0	14.0	14.0	8.3	8.3	11.1	11.1	2.8	2.8	1884	20.0	20.0
>= 52	13.5	13.3	5.7	5.7	5.7	8.9	8.9	25.0	25.0	10.4	10.4	10.4	8.3	8.3	10.4	10.4	4.5	4.5	1908	20.3	20.3
>= 47	14.6	17.8	5.6	5.6	5.6	4.8	4.8	16.9	16.9	11.0	11.0	11.0	10.9	10.9	12.9	12.9	5.5	5.5	1590	16.9	16.9
>= 42	21.6	18.0	4.7	4.7	4.7	3.6	3.6	8.7	8.7	10.1	10.1	10.1	12.6	12.6	13.8	13.8	6.9	6.9	828	8.8	8.8
>= 37	20.9	14.7	2.4	2.4	2.4	.9	.9	.9	.9	8.1	8.1	8.1	22.3	22.3	22.3	22.3	7.6	7.6	211	2.2	2.2
>= 32	35.1	2.7	.0	.0	.0	.0	.0	.0	.0	5.4	5.4	5.4	24.3	24.3	13.5	13.5	18.9	18.9	37	.4	.4
>= 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	100.0	100.0	.0	.0	.0	.0	.0	.0	2	.0*	.0*
TOTALS	12.1	11.7	4.8	4.8	4.8	7.9	7.9	22.3	22.3	14.2	14.2	14.2	11.1	11.1	12.1	12.1	3.6	3.6	9420	100.0	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986 MONTH : JUN
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION		WSW		WNW		CALM		TOTAL		# OF	
	E N		E NE		E E		E SE		SSE	SSW	SSW	WSW	WNW	WNW	WNW	WNW	FREQ.	TOTAL	TOTAL	
>= 92	2.9	6.3	2.8	2.8	1.4	1.4	2.9	11.4	14.3	14.3	51.4	17.1	17.1	17.1	0.0	0.0	35	143	35	.4
>= 87	5.4	5.7	2.1	2.1	1.3	1.3	3.5	14.2	24.5	24.5	28.7	21.7	21.7	21.7	0.0	0.0	143	389	143	1.6
>= 82	5.7	5.7	3.4	3.4	3.4	3.4	6.2	14.4	30.1	30.1	23.7	17.0	17.0	17.0	0.0	0.0	389	788	389	4.3
>= 77	7.6	7.3	6.2	6.2	3.3	3.3	5.8	21.6	28.9	28.9	15.6	15.1	15.1	15.1	0.4	0.4	788	1258	788	8.6
>= 72	7.3	7.3	7.4	7.4	5.7	5.7	7.1	27.9	21.6	21.6	14.5	14.2	14.2	14.2	0.7	0.7	1258	1865	1258	13.8
>= 67	8.3	8.3	13.9	13.9	5.8	5.8	6.1	30.7	18.9	18.9	10.3	9.5	9.5	9.5	3.2	3.2	1865	1985	1865	20.5
>= 62	11.7	11.7	21.8	21.8	3.4	3.4	5.9	18.8	14.1	14.1	11.6	11.8	11.8	11.8	5.9	5.9	1985	1499	1985	21.8
>= 57	16.5	16.5	15.6	15.6	2.3	2.3	6.3	10.0	13.3	13.3	13.1	12.3	12.3	12.3	7.5	7.5	1499	854	1499	16.4
>= 52	17.9	17.9	8.5	8.5	4.1	4.1	2.1	4.2	9.9	9.9	23.2	16.3	16.3	16.3	9.9	9.9	854	263	854	9.4
>= 47	10.5	10.5	2.6	2.6	0.0	0.0	0.0	2.6	5.3	5.3	34.2	26.3	26.3	26.3	18.4	18.4	263	38	263	2.9
>= 42	9.2	9.2	0.0	0.0	0.0	0.0	5.6	23.5	19.6	19.6	13.9	12.4	12.4	12.4	3.2	3.2	38	9117	38	.4
TOTALS	9.2	9.2	8.5	8.5	4.1	4.1	5.6	23.5	19.6	19.6	13.9	12.4	12.4	12.4	3.2	3.2	9117	100.0	9117	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986 MONTH : JUL
PAGE 1

TEMP. (DEG F)	WIND DIRECTION										TOTAL FREQ.	% OF TOTAL
	NNW E N	NNE ENE	ENE E E	ESE ESE	SSE E S	SSW SSW	WSW E W	WNW ENW	CALM			
>= 97	.0	.0	.0	.0	.0	20.0	40.0	40.0	.0	10	.1	
>= 92	7.8	.0	.0	1.1	5.6	21.1	41.1	23.3	.0	90	1.0	
>= 87	7.8	1.3	1.0	5.6	9.2	23.2	28.8	23.2	.0	306	3.2	
>= 82	6.5	2.2	1.2	5.0	20.3	28.3	18.6	17.7	.2	859	9.1	
>= 77	6.5	3.7	2.0	8.8	21.7	26.8	16.3	13.7	.5	1493	15.8	
>= 72	7.9	4.0	2.6	5.5	27.0	27.8	12.6	11.3	1.4	2215	23.5	
>= 67	8.8	6.8	3.0	6.5	23.5	24.1	14.1	9.1	4.2	2398	25.4	
>= 62	15.7	11.7	2.8	3.0	14.2	16.6	15.5	13.0	7.5	1378	14.6	
>= 57	19.0	8.7	3.1	2.2	6.9	12.7	18.5	17.0	12.0	552	5.9	
>= 52	20.4	7.1	.0	.0	.9	8.0	18.6	23.0	22.1	113	1.2	
>= 47	.0	.0	.0	.0	.0	.0	33.3	33.3	33.3	9	.1	
TOTALS	9.7	5.8	2.4	5.6	20.4	23.7	15.8	13.0	3.6	9423	100.0	

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		SSE		SSW		WSW		WNW		CALM		TOTAL		% OF	
	E N		ENE		E E		ESE		E S		SSW		E W		ENW				FREQ.		TOTAL	
>=102	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	1	.0	.0*	.0*
>= 97	.0	.0	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	2	.0	.0*	.0*
>= 92	8.3	.0	.0	.0	5.6	2.8	2.8	8.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	.0	.0	.0	36	.4	.4	.4
>= 87	5.2	1.0	1.0	2.6	2.6	2.6	2.6	9.9	29.2	31.3	31.3	31.3	31.3	31.3	18.2	.0	.0	.0	192	2.0	2.0	2.0
>= 82	8.0	1.8	1.8	1.9	1.9	7.5	7.5	16.4	25.6	25.6	25.6	25.6	21.1	15.5	15.5	.3	.3	.3	684	7.3	7.3	7.3
>= 77	8.1	4.0	4.0	4.3	4.3	7.4	7.4	22.6	24.0	24.0	24.0	24.0	16.9	12.1	12.1	.7	.7	.7	1234	13.1	13.1	13.1
>= 72	7.5	5.8	5.8	4.7	4.7	6.2	6.2	24.2	25.3	25.3	25.3	25.3	13.1	10.7	10.7	2.5	2.5	2.5	2211	23.5	23.5	23.5
>= 67	11.2	9.9	9.9	5.4	5.4	5.0	5.0	21.5	20.5	20.5	20.5	20.5	12.5	10.0	10.0	4.1	4.1	4.1	2258	24.0	24.0	24.0
>= 62	18.2	15.5	15.5	4.2	4.2	3.7	3.7	11.8	14.8	14.8	14.8	14.8	13.4	11.2	11.2	7.2	7.2	7.2	1698	18.0	18.0	18.0
>= 57	21.1	12.7	12.7	1.7	1.7	.9	.9	6.4	11.4	11.4	11.4	11.4	16.8	18.1	18.1	10.8	10.8	10.8	762	8.1	8.1	8.1
>= 52	22.9	4.0	4.0	.0	.0	.0	.0	2.9	8.0	8.0	8.0	8.0	21.8	24.7	24.7	15.6	15.6	15.6	275	2.9	2.9	2.9
>= 47	18.9	1.9	1.9	.0	.0	.0	.0	1.9	5.7	5.7	5.7	5.7	24.5	24.5	24.5	22.6	22.6	22.6	53	.6	.6	.6
>= 42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70.0	10.0	10.0	20.0	20.0	20.0	10	.1	.1	.1
TOTALS	12.0	8.4	8.4	4.1	4.1	5.0	5.0	18.1	20.4	20.4	20.4	20.4	15.2	12.4	12.4	4.5	4.5	4.5	9416	100.0	100.0	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : SEP
PAGE : 1

TEMP. (DEG F)	WIND DIRECTION										TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & E	ENE & E	ESE & S	SSW & W	WSW & W	WNW & W	CALM				
>= 97	.0	.0	.0	.0	.0	100.0	.0	.0	.0	2	.0*	
>= 92	.0	.0	.0	16.7	8.3	41.7	33.3	.0	.0	12	.1	
>= 87	5.0	1.7	1.7	13.3	25.0	30.0	20.0	.0	.0	60	.7	
>= 82	6.0	3.6	1.8	18.0	32.9	22.2	12.6	1.2	.0	167	1.8	
>= 77	8.7	2.3	2.3	21.2	25.2	18.4	11.2	1.1	.0	472	5.2	
>= 72	8.0	5.1	3.9	24.1	25.4	13.7	11.9	1.4	.0	1110	12.2	
>= 67	9.6	8.7	5.1	25.3	21.5	11.0	11.4	2.2	.0	1670	18.3	
>= 62	13.2	14.2	5.7	18.1	15.9	10.5	12.5	4.3	.0	1778	19.5	
>= 57	17.1	19.2	6.0	9.8	11.6	11.5	14.0	6.6	.0	1639	18.0	
>= 52	25.2	18.1	4.8	4.6	9.3	13.4	15.6	8.4	.0	1242	13.6	
>= 47	27.6	6.9	1.3	1.8	8.3	19.3	23.4	11.0	.0	627	6.9	
>= 42	29.5	1.9	.4	2.3	5.0	20.5	22.9	17.4	.0	258	2.8	
>= 37	26.4	.0	.0	.0	8.3	25.0	26.4	13.9	.0	72	.8	
>= 32	40.0	.0	.0	.0	.0	.0	20.0	40.0	.0	5	.1	
TOTALS	15.4	11.6	4.5	15.2	16.3	13.4	14.1	5.2	.0	9114	100.0	

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT
PAGE 1

TEMP. (DEG F)	NNW & N	NNE & NE	ENE & E	ESE & SE	WIND DIRECTION				WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
					SSE & S	SSW & SW	SSW & SW	SSW & SW					
>= 87	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	1	.0*
>= 82	7.1	.0	.0	.0	.0	50.0	21.4	21.4	21.4	.0	.0	14	.1
>= 77	4.3	.0	1.4	5.7	14.3	28.6	35.7	10.0	.0	.0	.0	70	.7
>= 72	4.6	5.0	2.1	9.2	20.9	30.5	17.2	9.6	.8	.8	.8	239	2.5
>= 67	7.6	3.9	4.4	8.3	28.4	23.2	13.3	9.4	1.4	1.4	1.4	564	6.0
>= 62	8.7	8.0	3.8	7.7	24.9	21.5	12.4	9.7	3.3	3.3	3.3	1157	12.3
>= 57	13.4	12.5	6.2	7.0	18.3	16.1	11.1	11.3	3.9	3.9	3.9	1652	17.5
>= 52	15.4	17.7	5.3	4.6	12.0	12.9	12.0	15.2	4.9	4.9	4.9	1740	18.5
>= 47	21.0	17.0	2.6	1.9	7.3	10.8	15.2	17.2	7.1	7.1	7.1	1598	17.0
>= 42	26.3	7.2	2.4	.7	4.2	8.6	20.9	19.8	9.9	9.9	9.9	1130	12.0
>= 37	26.9	3.4	.9	.5	1.5	9.9	18.7	23.2	14.9	14.9	14.9	737	7.8
>= 32	26.5	3.3	.0	.0	1.3	6.9	18.9	28.1	15.1	15.1	15.1	392	4.2
>= 27	29.7	1.8	.0	.0	.9	6.3	15.3	27.0	18.9	18.9	18.9	111	1.2
>= 22	23.1	.0	.0	.0	.0	.0	30.8	23.1	23.1	23.1	23.1	13	.1
TOTALS	17.2	11.0	3.7	4.2	12.8	14.3	14.8	15.5	6.5	6.5	6.5	9418	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION		WSW		WNW		CALM		TOTAL		% OF TOTAL
	E	N	E	N	E	N	E	S	SSE	SSW	E	W	E	W			FREQ.		
>= 77	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	1	.0	.0*
>= 72	.0	.0	.0	.0	.0	.0	6.3	25.0	32.5	25.0	37.5	.0	6.3	.0	.0	.0	16	.2	.9
>= 67	.0	.0	.0	.0	.0	.0	.0	32.5	34.9	34.9	22.9	.0	8.4	1.2	.8	.8	83	253	2.8
>= 62	3.2	1.6	1.2	1.6	1.2	1.2	5.5	32.8	34.0	34.0	13.4	.0	7.5	.8	.8	.8	253	614	6.7
>= 57	4.2	4.7	2.4	4.7	2.4	4.3	9.1	31.8	26.2	26.2	10.3	.0	8.6	2.6	2.6	2.6	106	11.7	11.7
>= 52	11.3	7.9	4.3	7.9	4.3	4.3	8.1	23.4	18.3	18.3	11.0	.0	12.9	2.8	2.8	2.8	1483	1782	19.6
>= 47	14.9	14.9	7.1	14.9	7.1	7.1	5.8	13.0	13.6	13.6	13.6	.0	18.9	4.3	4.3	4.3	1497	16.4	16.4
>= 42	19.2	12.5	6.2	12.5	6.2	6.2	3.5	8.9	10.5	10.5	15.0	.0	21.2	6.4	6.4	6.4	1285	14.1	14.1
>= 37	24.5	10.2	4.2	10.2	4.2	4.2	1.3	5.3	9.3	9.3	17.6	.0	26.8	7.5	7.5	7.5	708	7.8	7.8
>= 32	23.5	6.0	1.9	6.0	1.9	1.9	1.0	2.3	9.9	9.9	21.0	.0	27.5	11.0	11.0	11.0	245	.7	.7
>= 27	26.4	2.3	.6	2.3	.6	.6	.4	2.8	8.2	8.2	20.8	.0	30.6	10.2	10.2	10.2	65	10	.1
>= 22	20.4	3.7	.4	3.7	.4	.4	.0	1.2	7.8	7.8	25.7	.0	44.6	6.2	6.2	6.2	9106	100.0	100.0
>= 17	24.6	.0	.0	.0	.0	.0	.0	.0	4.6	4.6	20.0	.0	60.0	.0	.0	.0			
>= 12	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	18.8	5.6	5.6	5.6			
TOTALS	18.0	9.0	4.1	9.0	4.1	4.1	3.8	11.4	13.3	13.3	16.1	.0	18.8	5.6	5.6	5.6	9106	100.0	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

01N765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		WIND DIRECTION		WSW		WNW		CALM		TOTAL		% OF	
	E N		E NE		E E		E SE		SSE	SSW	E W	ENW	ENW	ENW	FREQ.		TOTAL		TOTAL	
>= 67	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	66.7	.0	.0	.0	3	.0	3	.0	.0	.0
>= 62	.0	.0	3.4	3.4	3.4	6.9	6.9	13.8	13.8	44.8	13.8	13.8	13.8	.0	29	.3	29	.3	.3	.3
>= 57	1.2	.6	.6	.6	.6	5.5	5.5	21.3	21.3	44.5	20.7	5.5	5.5	.0	164	1.7	164	1.7	1.7	1.7
>= 52	3.2	1.5	1.5	1.2	1.2	9.3	9.3	32.3	32.3	30.5	16.3	5.5	5.5	.3	344	3.7	344	3.7	3.7	3.7
>= 47	6.9	4.2	4.2	3.0	3.0	7.3	7.3	20.4	20.4	23.2	19.4	13.7	13.7	2.0	496	5.3	496	5.3	5.3	5.3
>= 42	12.1	9.1	9.1	4.2	4.2	6.3	6.3	14.4	14.4	17.2	15.9	17.6	17.6	3.2	876	9.3	876	9.3	9.3	9.3
>= 37	19.0	10.0	10.0	5.0	5.0	4.1	4.1	7.4	7.4	14.1	16.6	19.3	19.3	4.3	1426	15.1	1426	15.1	15.1	15.1
>= 32	24.5	11.1	11.1	4.7	4.7	2.3	2.3	4.9	4.9	9.4	15.5	21.1	21.1	6.6	1996	21.2	1996	21.2	21.2	21.2
>= 27	26.0	7.2	7.2	2.4	2.4	1.5	1.5	4.1	4.1	9.4	17.8	24.6	24.6	7.0	1665	17.7	1665	17.7	17.7	17.7
>= 22	22.0	7.8	7.8	2.2	2.2	.9	.9	4.1	4.1	6.7	18.1	31.9	31.9	6.3	1038	11.0	1038	11.0	11.0	11.0
>= 17	25.4	5.5	5.5	1.0	1.0	.1	.1	2.2	2.2	7.4	19.5	32.5	32.5	6.3	727	7.7	727	7.7	7.7	7.7
>= 12	20.3	2.8	2.8	.0	.0	.3	.3	1.3	1.3	9.5	24.2	35.5	35.5	6.2	389	4.1	389	4.1	4.1	4.1
>= 7	28.3	1.2	1.2	.6	.6	.0	.0	.6	.6	4.0	22.0	39.9	39.9	3.5	173	1.8	173	1.8	1.8	1.8
>= 2	18.8	1.6	1.6	.0	.0	.0	.0	1.6	1.6	6.3	25.0	35.9	35.9	10.9	64	.7	64	.7	.7	.7
>= -3	19.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.8	52.4	52.4	19.0	21	.2	21	.2	.2	.2
>= -8	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66.7	66.7	16.7	6	.1	6	.1	.1	.1
TOTALS	20.2	7.7	7.7	3.1	3.1	2.9	2.9	7.6	7.6	12.5	17.6	23.1	23.1	5.3	9417	100.0	9417	100.0	100.0	100.0

NOTES :
* = PERCENT < .05

4 - PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VERSUS
WIND DIRECTION
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : ANN
PAGE 1

TEMP. (DEG F)	NNW		NNE		ENE		ESE		SSW		WSW		WNW		CALM		TOTAL		% OF TOTAL
	& N	& N	& NE	& NE	& E	& E	& SE	& SE	& S	& S	& W	& W	& NW	& NW			FREQ.		
>= 102	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	1	.0	.0*
>= 97	.0	.0	6.7	.0	.0	.0	.0	.0	13.3	.0	46.7	.0	33.3	.0	.0	.0	15	.0	.0*
>= 92	6.3	.0	.0	1.1	1.7	8.0	1.7	4.0	19.4	.0	40.0	.0	23.4	.0	.0	.0	175	.2	.0
>= 87	6.3	1.5	.0	1.5	4.0	9.9	4.0	.0	25.2	.0	30.2	.0	21.3	.0	.0	.0	726	.7	.0
>= 82	6.6	2.1	.0	1.6	5.8	17.8	5.8	.0	28.4	.0	21.3	.0	16.2	.0	.3	.0	2225	2.0	.0
>= 77	7.0	3.4	.0	3.0	7.9	21.2	7.9	.0	26.5	.0	17.3	.0	13.2	.0	.6	.0	4278	3.9	.0
>= 72	7.4	4.7	.0	3.5	6.5	25.0	6.5	.0	25.6	.0	13.9	.0	11.8	.0	1.5	.0	7611	6.9	.0
>= 67	8.9	7.5	.0	4.3	6.0	24.7	6.0	.0	21.8	.0	13.2	.0	10.8	.0	2.9	.0	9899	8.9	.0
>= 62	11.9	10.3	.0	4.4	6.0	21.6	6.0	.0	18.0	.0	12.2	.0	11.4	.0	4.3	.0	10136	9.1	.0
>= 57	12.7	11.8	.0	4.6	6.3	18.6	6.3	.0	16.1	.0	12.1	.0	12.8	.0	5.0	.0	9831	8.9	.0
>= 52	14.6	12.9	.0	4.1	5.9	17.6	5.9	.0	14.3	.0	11.9	.0	13.7	.0	4.9	.0	9490	8.6	.0
>= 47	15.5	12.3	.0	4.2	5.4	15.3	5.4	.0	13.2	.0	14.0	.0	15.3	.0	4.8	.0	9422	8.5	.0
>= 42	17.7	11.8	.0	4.5	5.4	13.0	5.4	.0	11.3	.0	13.7	.0	18.0	.0	4.8	.0	9590	8.6	.0
>= 37	19.3	11.8	.0	4.6	4.3	9.2	4.3	.0	10.7	.0	14.2	.0	20.8	.0	5.1	.0	5810	8.8	.0
>= 32	21.9	12.0	.0	4.3	3.3	6.6	3.3	.0	8.6	.0	15.0	.0	22.1	.0	6.1	.0	10140	9.1	.0
>= 27	24.1	8.3	.0	3.2	1.8	5.0	1.8	.0	7.8	.0	16.7	.0	26.1	.0	6.9	.0	7070	6.4	.0
>= 22	23.5	7.2	.0	1.8	1.0	3.4	1.0	.0	7.0	.0	18.3	.0	31.9	.0	5.8	.0	4492	4.0	.0
>= 17	24.8	6.1	.0	1.1	.5	2.7	.5	.0	6.7	.0	18.2	.0	33.9	.0	5.9	.0	2891	2.6	.0
>= 12	23.8	4.1	.0	.5	.2	1.2	.2	.0	6.3	.0	21.0	.0	36.8	.0	6.0	.0	1691	1.5	.0
>= 7	27.0	1.4	.0	.3	.0	.8	.0	.0	5.0	.0	21.5	.0	39.9	.0	4.1	.0	920	.8	.0
>= 2	28.2	.8	.0	.0	.0	.8	.0	.0	4.8	.0	21.6	.0	38.3	.0	5.6	.0	394	.4	.0
>= -3	22.5	.0	.0	.0	.0	.0	.0	.0	1.7	.0	16.7	.0	50.0	.0	9.2	.0	120	.1	.0
>= -8	19.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	11.9	.0	57.1	.0	9.5	.0	42	.0	.0*
>= -13	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	50.0	.0	.0	.0	6	.0	.0*
TOTALS	15.6	9.5	.0	3.8	4.8	14.7	4.8	.0	14.7	.0	14.6	.0	17.8	.0	4.5	.0	111975	100.0	.0

NOTES :
* = PERCENT < .05

11 - SKY COVER

014765 PROVIDENCE, RI
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
JAN	01	33.6	12.0	9.1	45.4	1177
	04	33.8	11.4	9.9	44.9	1177
	07	25.2	16.1	14.1	44.6	1178
	10	25.6	15.6	16.0	42.8	1178
	13	18.9	20.5	18.6	41.9	1178
	16	21.8	17.1	18.4	42.7	1177
	19	29.3	15.8	12.8	42.1	1177
	22	31.1	14.2	13.9	40.8	1177
	ALL	27.4	15.3	14.1	43.1	9419
FEB	01	37.5	9.7	8.9	43.9	1073
	04	34.5	11.7	8.9	44.8	1073
	07	21.9	19.6	14.7	43.8	1073
	10	22.6	17.0	19.5	41.0	1073
	13	20.9	16.6	20.5	42.0	1073
	16	22.2	17.1	17.6	43.2	1073
	19	29.2	16.4	11.9	42.4	1072
	22	34.1	13.6	10.2	42.1	1073
	ALL	27.8	15.2	14.0	42.9	8583
MAR	01	33.8	11.0	10.5	44.7	1178
	04	34.3	12.3	9.9	43.5	1178
	07	23.1	15.9	17.5	43.5	1178
	10	18.3	20.2	18.8	42.7	1177
	13	16.8	19.5	19.6	44.1	1178
	16	17.3	19.9	18.8	44.0	1178
	19	25.0	17.7	12.8	44.5	1178
	22	31.3	14.4	9.5	44.7	1178
	ALL	25.0	16.4	14.7	44.0	9423
APR	01	33.6	12.5	10.6	43.3	1140
	04	28.5	16.8	10.7	44.0	1140
	07	23.8	14.9	17.7	43.6	1140
	10	18.7	19.9	21.0	40.4	1140
	13	13.0	21.6	24.6	40.9	1140
	16	13.7	20.9	24.5	41.0	1140
	19	19.6	19.0	18.9	42.5	1140
	22	29.6	15.4	10.4	44.6	1140
	ALL	22.6	17.6	17.3	42.5	9120

11 - SKY COVER

014765 PROVIDENCE, RI
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
MAY	01	27.6	15.5	12.3	44.5	1177
	04	21.2	19.5	15.6	43.6	1178
	07	18.1	18.5	20.3	43.1	1177
	10	14.5	23.8	23.1	38.6	1178
	13	11.2	23.4	29.0	36.3	1178
	16	11.0	24.2	29.1	35.7	1178
	19	15.0	19.2	24.8	41.0	1177
	22	25.6	15.5	15.1	43.8	1177
	ALL	18.0	20.0	21.2	40.8	9420
JUN	01	28.5	17.5	13.8	40.3	1140
	04	18.0	24.2	18.0	39.8	1140
	07	21.1	20.8	20.4	37.7	1140
	10	16.4	26.0	23.9	33.7	1140
	13	7.6	31.3	30.4	30.6	1139
	16	9.8	29.7	28.2	32.2	1140
	19	14.6	23.1	28.1	34.2	1139
	22	24.0	22.8	15.4	37.7	1140
	ALL	17.5	24.4	22.3	35.8	9118
JUL	01	27.1	18.2	16.2	38.5	1178
	04	18.2	23.2	18.3	40.4	1178
	07	18.0	20.5	22.9	38.6	1178
	10	15.0	27.1	27.7	30.2	1177
	13	5.8	32.0	35.7	26.5	1178
	16	8.6	35.6	30.9	25.0	1178
	19	13.7	27.2	28.5	30.6	1178
	22	24.2	23.1	16.9	35.8	1178
	ALL	16.3	25.9	24.6	33.2	9423
AUG	01	29.1	18.0	15.1	37.6	1177
	04	26.0	19.3	15.4	39.3	1177
	07	18.6	20.6	21.7	39.1	1177
	10	16.7	26.6	25.5	31.3	1177
	13	8.1	31.4	33.7	26.8	1177
	16	9.8	32.7	29.8	27.7	1178
	19	16.8	26.1	26.3	30.8	1176
	22	27.2	21.3	16.2	35.3	1177
	ALL	19.0	24.5	23.0	33.5	9416

11 - SKY COVER

014765 PROVIDENCE, RI
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
SEP	01	35.4	14.3	10.6	39.7	1140
	04	35.5	15.8	10.8	37.9	1140
	07	25.3	18.9	17.0	38.8	1140
	10	20.8	25.5	20.5	33.3	1139
	13	14.4	29.1	26.8	29.7	1138
	16	17.0	27.7	22.8	32.5	1139
	19	25.1	22.0	20.1	32.7	1139
	22	32.2	18.4	13.2	36.2	1139
ALL		25.7	21.5	17.7	35.1	9114
OCT	01	38.3	14.0	11.1	36.6	1178
	04	37.8	14.9	11.3	36.0	1177
	07	24.7	21.3	17.8	36.2	1177
	10	22.8	25.1	19.7	32.5	1177
	13	21.7	25.5	21.4	31.4	1177
	16	24.9	24.9	18.2	32.0	1177
	19	32.7	19.9	14.5	32.9	1177
	22	36.7	15.4	12.1	35.7	1178
ALL		29.9	20.1	15.8	34.2	9418
NOV	01	30.4	13.0	10.8	45.8	1138
	04	30.7	13.7	11.0	44.6	1137
	07	19.4	19.9	18.7	42.0	1138
	10	18.5	19.9	20.7	40.9	1138
	13	15.7	21.4	21.0	41.9	1138
	16	17.2	19.7	22.7	40.4	1139
	19	25.5	17.2	14.1	43.1	1139
	22	29.1	14.9	11.0	45.0	1139
ALL		23.3	17.5	16.3	43.0	9106
DEC	01	33.9	11.9	9.4	44.8	1177
	04	33.9	11.8	8.6	45.5	1176
	07	22.3	18.9	16.2	42.5	1178
	10	20.3	18.5	19.4	41.8	1176
	13	19.2	18.9	18.4	43.5	1177
	16	20.6	19.1	16.9	43.3	1177
	19	30.7	11.6	14.1	43.5	1178
	22	30.6	14.3	10.7	44.4	1178
ALL		26.5	15.6	14.2	43.7	9417

11 - SKY COVER

014765 PROVIDENCE, RI
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TOTAL SKY COVER (FROM HOURLY OBSERVATIONS)				TOTAL
		CLEAR	SCATTERED	BROKEN	OVERCAST	
ANN	01	32.4	14.0	11.6	42.1	13873
	04	29.3	16.2	12.4	42.0	13871
	07	21.8	18.8	18.3	41.1	13874
	10	19.1	22.1	21.3	37.4	13870
	13	14.4	24.3	25.0	36.3	13871
	16	16.1	24.1	23.2	36.6	13874
	19	23.1	19.6	19.0	38.3	13870
	22	29.6	17.0	12.9	40.5	13874
ALL		23.2	19.5	18.0	39.3	110977

12 - RELATIVE HUMIDITY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
JAN											
01	100.0	100.0	99.5	95.6	85.0	65.1	45.4	30.0	13.1	68.8	1177
04	100.0	100.0	99.8	96.9	86.8	68.6	47.8	31.3	13.1	70.0	1177
07	100.0	100.0	99.7	97.0	87.5	70.0	50.3	32.3	14.4	70.5	1178
10	100.0	100.0	98.7	89.6	69.8	49.2	33.4	21.9	11.6	62.9	1178
13	100.0	100.0	96.0	78.4	54.1	36.4	25.4	17.1	8.9	57.1	1178
16	100.0	99.7	95.8	78.1	56.1	39.2	27.2	17.4	9.1	57.7	1177
19	100.0	100.0	98.4	90.1	73.3	52.3	36.2	22.7	10.6	63.8	1177
22	100.0	100.0	99.7	93.5	81.7	59.8	40.9	25.7	11.6	66.7	1176
ALL	100.0	100.0	98.4	89.9	74.3	55.1	38.3	24.8	11.6	64.7	9418
FEB											
01	100.0	100.0	99.6	95.6	83.5	65.6	47.1	30.5	11.7	68.8	1073
04	100.0	100.0	99.9	96.8	87.0	71.0	49.9	32.2	12.8	70.3	1073
07	100.0	100.0	99.9	96.9	85.2	71.8	51.4	31.7	12.5	70.8	1073
10	100.0	99.8	97.7	87.2	65.1	45.2	30.9	20.4	9.2	61.0	1073
13	100.0	99.7	92.9	72.9	49.6	33.4	24.0	17.0	8.5	55.4	1073
16	100.0	99.4	91.6	74.5	51.2	37.4	25.6	17.4	8.6	56.0	1073
19	100.0	99.9	97.9	87.2	69.8	51.7	34.8	22.1	9.7	62.8	1072
22	100.0	100.0	99.3	93.3	78.7	59.0	42.3	26.8	11.6	66.5	1073
ALL	100.0	99.9	97.3	88.1	71.7	54.4	38.3	24.8	10.6	63.9	8583
MAR											
01	100.0	100.0	99.0	95.5	82.2	64.5	49.0	33.2	14.2	69.4	1178
04	100.0	100.0	99.2	97.0	88.2	70.7	52.7	35.7	15.3	71.4	1178
07	100.0	100.0	99.5	95.8	85.4	66.9	50.7	34.6	15.6	70.4	1178
10	100.0	99.4	94.5	78.3	55.9	39.2	29.0	20.4	8.8	58.0	1177
13	100.0	98.2	85.9	63.8	45.4	32.9	23.3	15.8	7.0	52.9	1178
16	100.0	97.5	86.2	66.1	47.5	35.0	25.1	16.6	7.9	53.6	1178
19	100.0	99.4	95.4	83.3	66.4	50.5	35.7	22.8	9.9	61.8	1178
22	100.0	100.0	98.0	92.4	76.6	60.1	44.7	28.9	11.6	66.8	1178
ALL	100.0	99.3	94.7	84.0	68.4	52.5	38.8	26.0	11.3	63.1	9423
APR											
01	100.0	100.0	99.8	95.8	85.7	71.1	55.5	34.6	14.2	71.4	1140
04	100.0	100.0	99.9	98.2	85.8	76.8	61.1	41.3	16.5	73.9	1140
07	100.0	100.0	99.6	94.7	82.5	66.1	49.3	31.4	12.7	69.2	1140
10	100.0	99.6	87.5	65.8	47.9	34.1	24.5	15.8	5.8	53.6	1140
13	100.0	96.1	76.1	55.0	37.9	28.1	19.2	12.5	4.5	48.5	1140
16	100.0	94.8	79.0	59.4	42.6	30.5	22.5	13.9	5.3	50.4	1140
19	100.0	98.4	91.5	78.8	62.9	46.7	34.6	22.0	7.7	59.9	1140
22	100.0	99.9	98.0	90.6	78.9	64.6	48.6	29.6	11.9	61.8	1140
ALL	100.0	98.6	91.4	79.8	66.0	52.3	39.4	25.2	9.8	61.9	9120

12 - RELATIVE HUMIDITY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
	10%	20%	30%	40%	50%	60%	70%	80%	90%			

MAY												
01	100.0	100.0	99.6	98.8	93.9	83.1	70.7	51.4	21.2	77.7	1177	
04	100.0	100.0	99.9	98.9	96.1	89.1	76.9	58.5	27.7	80.4	1178	
07	100.0	100.0	99.2	96.9	87.5	72.4	55.5	36.2	14.6	72.0	1177	
10	100.0	99.2	91.6	75.1	53.9	39.8	28.0	18.9	7.2	56.9	1178	
13	100.0	98.4	86.5	64.9	47.4	33.7	22.6	14.3	5.6	52.7	1178	
16	100.0	97.7	86.6	69.9	50.8	37.3	25.6	15.9	4.7	54.5	1178	
19	100.0	99.2	95.1	86.2	72.3	56.2	39.4	26.3	10.0	64.1	1177	
22	100.0	100.0	99.2	96.4	87.9	77.1	62.5	42.0	17.2	74.0	1177	
ALL	100.0	99.3	94.7	85.9	73.7	61.1	47.7	32.9	13.5	66.5	9420	

JUN											
01	100.0	100.0	100.0	99.7	98.3	93.3	81.1	63.2	25.1	82.0	1140
04	100.0	100.0	100.0	99.9	99.5	96.7	87.5	69.4	32.0	84.4	1140
07	100.0	100.0	100.0	99.7	95.7	81.6	62.1	40.7	15.0	75.3	1140
10	100.0	100.0	98.4	85.4	66.3	46.1	30.4	18.6	5.8	60.7	1140
13	100.0	99.7	94.5	73.7	54.3	37.0	22.5	12.8	3.6	55.3	1139
16	100.0	99.9	95.2	78.5	58.1	41.7	26.5	14.9	4.7	57.5	1140
19	100.0	100.0	99.1	93.7	80.6	61.6	43.4	27.0	8.2	66.8	1139
22	100.0	100.0	100.0	99.6	96.1	85.7	69.6	48.4	16.4	77.4	1140
ALL	100.0	100.0	98.4	91.3	81.1	68.0	52.9	36.9	13.9	69.9	9118

JUL											
01	100.0	100.0	100.0	100.0	98.9	95.2	85.4	66.1	23.9	82.7	1178
04	100.0	100.0	100.0	100.0	99.7	97.5	90.9	75.3	31.7	85.5	1178
07	100.0	100.0	100.0	99.9	97.5	88.5	69.0	47.3	14.6	77.4	1178
10	100.0	100.0	98.7	89.1	69.3	46.7	30.1	15.7	3.5	60.9	1177
13	100.0	100.0	95.3	77.8	54.2	36.2	22.5	9.8	2.5	55.4	1178
16	100.0	100.0	96.5	82.2	61.9	41.3	24.5	12.1	2.5	57.6	1178
19	100.0	100.0	99.6	96.1	85.6	65.5	45.3	25.0	5.3	67.8	1178
22	100.0	100.0	100.0	99.7	97.5	91.3	74.7	50.9	14.3	78.5	1178
ALL	100.0	100.0	98.8	93.1	83.1	70.3	55.3	37.8	12.3	70.7	9423

AUG											
01	100.0	100.0	100.0	99.8	99.6	97.2	89.0	71.8	28.7	84.4	1177
04	100.0	100.0	100.0	100.0	99.7	98.6	93.6	78.5	37.4	86.7	1177
07	100.0	100.0	100.0	100.0	99.5	94.6	79.7	55.8	19.5	80.6	1177
10	100.0	100.0	99.8	94.3	75.0	50.6	31.1	16.6	5.5	62.9	1177
13	100.0	100.0	98.0	82.2	58.4	35.8	21.6	11.8	3.7	56.7	1177
16	100.0	100.0	98.9	87.5	65.6	42.6	26.5	14.3	4.6	59.6	1178
19	100.0	100.0	99.9	99.1	93.1	77.0	53.6	29.6	9.1	71.6	1176
22	100.0	100.0	100.0	99.9	99.1	94.1	81.0	56.2	17.1	80.4	1177
ALL	100.0	100.0	99.6	95.4	86.2	73.8	59.5	41.8	15.7	72.8	9416

12 - RELATIVE HUMIDITY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
SEP											
01	100.0	100.0	100.0	99.9	99.2	97.0	90.1	70.5	29.6	84.5	1140
04	100.0	100.0	100.0	99.9	99.8	98.3	92.8	74.9	36.9	86.3	1140
07	100.0	100.0	100.0	99.9	99.6	97.1	83.7	61.1	23.3	82.4	1140
10	100.0	100.0	99.4	93.7	74.4	50.9	32.7	18.3	5.3	63.0	1139
13	100.0	100.0	96.9	80.7	54.0	36.0	20.8	12.4	1.5	56.0	1138
16	100.0	100.0	97.6	85.0	64.9	43.2	26.5	15.3	4.7	59.4	1139
19	100.0	100.0	99.9	98.9	94.9	83.7	60.5	33.5	9.9	73.7	1139
22	100.0	100.0	99.9	99.6	98.6	94.4	83.0	58.2	18.6	81.0	1139
ALL	100.0	100.0	99.2	94.7	85.7	75.1	61.3	43.0	16.5	73.3	9114
OCT											
01	100.0	100.0	100.0	99.3	97.0	90.8	76.7	57.6	26.7	80.6	1178
04	100.0	100.0	100.0	99.9	98.5	93.1	81.6	63.1	31.4	82.4	1177
07	100.0	100.0	100.0	100.0	99.0	91.3	76.9	54.8	25.5	80.7	1177
10	100.0	99.9	99.1	91.8	68.8	48.0	30.0	18.9	7.9	61.9	1177
13	100.0	99.7	94.4	71.9	47.9	31.9	19.5	13.5	4.7	53.8	1177
16	100.0	99.6	94.7	79.5	57.3	39.5	24.9	15.6	5.7	57.3	1177
19	100.0	99.8	99.7	97.9	89.3	75.5	53.8	32.6	10.8	71.5	1177
22	100.0	100.0	99.9	99.3	96.1	84.8	70.9	48.7	18.1	77.5	1178
ALL	100.0	99.9	98.5	92.5	81.7	69.4	54.3	38.1	16.3	70.7	9418
NOV											
01	100.0	100.0	99.9	98.9	94.0	82.0	64.6	42.4	19.1	75.8	1138
04	100.0	100.0	100.0	99.6	95.8	85.0	66.9	47.4	22.6	77.4	1137
07	100.0	100.0	100.0	99.6	96.3	85.8	68.5	48.9	22.5	77.7	1138
10	100.0	100.0	99.6	93.8	74.2	51.4	37.1	24.3	10.4	64.8	1138
13	100.0	99.8	96.4	76.8	55.1	37.8	27.0	16.4	7.0	57.1	1138
16	100.0	99.8	96.2	84.0	63.0	44.6	31.3	18.9	6.7	60.1	1139
19	100.0	100.0	99.6	96.4	86.6	66.2	46.4	30.0	10.9	69.2	1139
22	100.0	100.0	100.0	98.9	91.7	75.0	57.2	38.2	15.7	71.4	1139
ALL	100.0	100.0	99.0	93.5	82.1	66.0	49.9	33.3	14.4	69.5	9106
DEC											
01	100.0	100.0	99.8	98.4	91.5	74.5	53.4	35.6	15.1	72.3	1177
04	100.0	100.0	99.8	98.6	92.7	78.9	56.5	37.8	15.8	73.5	1175
07	100.0	100.0	99.9	98.7	93.1	80.9	59.8	38.6	16.4	74.2	1177
10	100.0	100.0	99.1	93.1	77.0	53.7	36.9	24.5	10.3	65.1	1176
13	100.0	99.7	96.2	79.7	56.9	39.7	28.5	18.5	8.6	58.2	1177
16	100.0	99.6	96.8	85.3	64.2	44.4	31.9	21.6	9.5	60.6	1177
19	100.0	100.0	99.1	95.2	81.0	60.7	42.5	26.2	12.0	67.1	1178
22	100.0	100.0	99.7	97.2	87.8	69.3	47.2	31.6	12.6	70.1	1178
ALL	100.0	99.9	98.8	93.3	80.5	62.6	44.6	29.3	12.5	67.6	9415

12 - RELATIVE HUMIDITY

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH HOURS (LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
ANN											
01	100.0	100.0	99.8	98.1	92.5	81.7	67.4	49.0	20.3	76.6	13873
04	100.0	100.0	99.9	98.8	94.5	85.4	71.6	53.9	24.5	78.6	13870
07	100.0	100.0	99.8	98.3	92.7	80.6	63.1	42.8	17.2	75.1	13873
10	100.0	99.8	97.0	86.4	66.5	46.3	31.2	19.5	7.6	61.0	13870
13	100.0	99.3	92.4	73.2	51.3	34.8	23.1	14.3	5.7	54.9	13871
16	100.0	99.0	92.9	77.5	57.0	39.7	26.5	16.2	6.1	57.0	13874
19	100.0	99.7	97.9	91.9	79.7	62.4	43.9	26.7	9.5	66.7	13870
22	100.0	100.0	99.5	96.7	89.3	76.3	60.3	40.5	14.7	73.4	13873
ALL	100.0	99.7	97.4	90.1	77.9	63.4	48.4	32.9	13.2	67.9	110974

13 - WEATHER CONDITIONS

014765 PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN E/DRIZZLE	FREEZE RAIN & FREEZE DRIZZLE	SNOW E/DR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST & OBS. E/DR W/OBST		TOTAL NO. OF OBS.
											SAND	VISION	
JAN	01	.0	7.9	.9	8.8	.4	17.3	13.0	2.2	.3	.0	15.1	1149
	04	.0	8.4	1.0	9.2	.3	18.0	12.9	2.3	.4	.0	15.1	1150
	07	.0	8.9	1.0	8.8	.8	18.2	16.1	6.2	.3	.0	21.6	1154
	10	.0	8.8	.8	8.9	.5	17.8	14.1	9.2	.3	.0	23.0	1153
	13	.1	9.7	.7	7.5	1.0	17.3	11.9	7.2	.3	.0	19.3	1153
	16	.0	9.3	.8	7.0	.6	16.6	12.0	6.5	.6	.0	19.0	1152
	19	.1	9.5	.6	7.7	.5	17.0	11.5	3.7	.6	.0	15.6	1150
	22	.1	8.3	.8	7.4	.7	15.5	12.3	2.8	.4	.0	15.0	1151
	ALL	.0	8.9	.8	8.2	.6	17.2	13.0	5.0	.4	.0	18.0	9212
FEB	01	.0	8.6	.5	8.4	.4	17.0	11.8	1.6	.7	.0	14.0	1051
	04	.0	7.9	.8	9.0	.6	17.3	12.1	1.6	.8	.0	14.2	1051
	07	.0	8.0	1.0	8.7	.6	16.9	15.4	6.9	.6	.0	22.2	1051
	10	.0	8.5	.7	8.9	.4	17.0	13.1	9.6	1.1	.0	23.5	1052
	13	.0	9.2	.6	7.5	.8	16.5	10.8	6.9	.7	.0	18.4	1051
	16	.0	9.4	.1	7.6	.4	16.9	12.1	4.9	.7	.0	17.4	1049
	19	.0	9.4	.4	8.2	.3	16.9	12.3	2.6	.6	.0	15.2	1050
	22	.0	9.2	.6	8.0	.3	16.9	12.3	2.5	.4	.0	14.9	1053
	ALL	.0	8.8	.6	8.3	.5	16.9	12.5	4.6	.7	.0	17.5	8408
MAR	01	.1	12.3	.8	5.5	.6	18.2	15.7	1.4	.3	.0	16.9	1152
	04	.3	12.9	.4	7.4	.3	19.0	16.6	1.1	.3	.0	17.4	1153
	07	.0	13.1	.2	5.8	.9	18.1	19.8	5.5	.3	.0	24.4	1152
	10	.0	11.4	.2	5.2	.6	15.9	14.5	4.3	.4	.0	19.0	1152
	13	.0	11.8	.3	5.8	.8	17.1	11.0	4.0	.4	.0	15.3	1149
	16	.3	12.2	.2	5.7	.4	17.3	11.9	4.4	.6	.0	16.6	1149
	19	.2	12.1	.7	5.0	.5	17.0	13.2	3.0	.3	.0	16.2	1150
	22	.3	11.5	.6	5.6	.7	17.2	14.4	1.5	.3	.0	16.0	1151
	ALL	.1	12.2	.4	5.7	.6	17.5	14.6	3.1	.4	.0	17.7	9208
APR	01	.3	16.5	.1	1.3	.4	17.0	16.7	1.1	.1	.0	17.4	1119
	04	.1	15.4	.0	1.4	.1	16.1	19.7	1.4	.1	.0	20.7	1119
	07	.1	13.8	.0	1.5	.2	14.6	20.2	6.1	.1	.0	25.7	1116
	10	.1	13.2	.0	1.3	.2	14.1	11.6	3.9	.1	.0	15.4	1113
	13	.2	13.5	.0	.8	.1	13.6	9.3	5.0	.0	.0	14.4	1113
	16	.2	15.2	.0	.7	.1	15.6	10.4	4.8	.0	.0	14.8	1113
	19	.1	15.8	.0	.5	.1	15.9	13.9	3.9	.1	.0	17.7	1116
	22	.2	15.5	.0	1.2	.3	16.2	16.2	1.5	.1	.0	17.5	1113
	ALL	.1	14.9	.0	1.1	.2	15.4	14.8	3.5	.1	.0	18.0	8922

13 - WEATHER CONDITIONS

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN E/OP	FREEZE		SNOW E/OP	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE		BLOWING SNOW	DUST & OBS.		TOTAL NO. OF OBS.
				FREEZE	DRIZZLE					E/OP	HAZE		E/CR	W/OBST	
MAY	01	.2	15.2	.0	.0	.1	.0	14.9	21.8	2.2	.0	.0	.0	23.4	1154
	04	.1	13.6	.0	.0	.1	.0	13.5	29.5	3.7	.0	.0	.0	31.9	1158
	07	.1	15.6	.0	.0	.0	.0	15.1	23.0	10.9	.0	.0	.0	32.7	1156
	10	.1	13.2	.0	.0	.0	.0	12.7	14.4	8.8	.0	.0	.0	22.8	1155
	13	.3	13.7	.0	.0	.1	.0	13.1	10.6	8.9	.0	.0	.0	19.1	1153
	16	.8	13.1	.0	.0	.1	.0	12.8	10.1	8.8	.0	.0	.0	18.4	1152
	19	.9	13.6	.0	.0	.1	.0	13.3	15.2	7.1	.0	.0	.0	21.9	1151
	22	.3	14.2	.0	.0	.1	.0	13.8	18.8	4.3	.0	.0	.0	22.4	1151
	ALL	.3	14.0	.0	.0	.1	.0	13.6	17.9	6.8	.0	.0	.0	24.1	9230
JUN	01	.2	11.9	.0	.0	.0	.0	11.4	25.6	5.9	.0	.0	.0	30.4	1120
	04	.9	11.9	.0	.0	.0	.0	11.6	35.9	8.7	.0	.0	.0	42.0	1122
	07	.1	11.6	.0	.0	.0	.0	11.4	24.0	16.7	.0	.0	.0	39.1	1118
	10	.3	8.9	.0	.0	.0	.0	8.9	13.0	16.9	.0	.0	.0	29.2	1118
	13	.4	8.8	.0	.0	.0	.0	8.8	8.2	18.6	.0	.0	.0	26.2	1119
	16	1.2	10.6	.0	.0	.0	.0	10.1	8.3	17.7	.0	.0	.0	25.6	1118
	19	1.3	9.9	.0	.0	.0	.0	9.4	14.1	17.1	.0	.0	.0	30.3	1117
	22	.7	12.0	.0	.0	.0	.0	11.6	19.1	10.3	.0	.0	.0	28.2	1119
	ALL	.6	10.7	.0	.0	.0	.0	10.4	18.5	14.0	.0	.0	.0	31.4	8951
JUL	01	.9	7.4	.0	.0	.0	.0	7.1	23.4	11.0	.0	.0	.0	32.8	1159
	04	.4	8.4	.0	.0	.0	.0	8.4	35.4	10.7	.0	.0	.0	43.3	1161
	07	.3	8.3	.0	.0	.0	.0	8.2	25.2	21.0	.0	.0	.0	43.7	1158
	10	.5	6.1	.0	.0	.0	.0	6.1	9.5	23.7	.0	.0	.0	32.5	1155
	13	.3	6.8	.0	.0	.0	.0	6.8	5.4	23.5	.0	.0	.0	28.9	1156
	16	1.3	7.4	.0	.0	.0	.1	7.4	5.7	24.3	.0	.0	.0	29.5	1155
	19	1.4	8.2	.0	.0	.0	.0	8.1	11.0	23.2	.0	.0	.0	32.9	1154
	22	1.2	7.4	.0	.0	.0	.0	7.3	17.4	15.9	.0	.0	.0	31.9	1158
	ALL	.8	7.5	.0	.0	.0	.0	7.4	16.6	19.2	.0	.0	.0	34.4	9256
AUG	01	1.0	8.8	.0	.0	.0	.0	8.7	26.1	9.7	.0	.0	.0	33.9	1156
	04	.7	8.2	.0	.0	.0	.0	8.0	32.8	9.2	.0	.0	.0	39.7	1158
	07	.1	9.0	.0	.0	.0	.0	9.0	29.8	22.3	.0	.0	.0	48.8	1157
	10	.3	8.1	.0	.0	.0	.0	8.0	11.1	24.7	.0	.0	.0	34.7	1154
	13	.8	7.7	.0	.0	.0	.0	7.5	7.2	24.2	.0	.0	.0	30.9	1154
	16	1.7	8.3	.0	.0	.0	.0	8.2	7.2	23.6	.0	.0	.0	30.1	1151
	19	1.0	8.2	.0	.0	.0	.0	8.1	13.8	23.2	.0	.0	.0	35.3	1153
	22	1.0	8.7	.0	.0	.0	.0	8.4	19.2	15.0	.0	.0	.0	32.5	1152
	ALL	.8	8.4	.0	.0	.0	.0	8.2	18.4	19.0	.0	.0	.0	35.8	9235

13 - WEATHER CONDITIONS

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN E/DR	FREEZE RAIN & FREEZE DRIZZLE	SNOW E/DR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST & E/CR SAND	OBS. VISION	TOTAL NO. OF OBS.
SEP	01	.5	10.5	.0	.0	.0	10.4	23.1	6.9	.0	.0	27.8	1123
	04	.2	11.0	.0	.0	.0	11.0	26.7	5.7	.0	.0	29.6	1122
	07	.1	10.3	.0	.0	.0	10.1	29.0	13.8	.0	.1	39.5	1124
	10	.0	8.1	.0	.0	.0	8.0	11.2	14.1	.0	.0	25.0	1120
	13	.2	8.2	.0	.0	.0	8.1	7.4	13.9	.0	.1	21.3	1116
	16	.2	8.7	.0	.0	.0	8.7	8.1	14.6	.0	.0	22.5	1120
	19	.5	10.7	.0	.0	.0	10.4	12.5	14.1	.0	.0	25.8	1122
	22	.2	10.1	.0	.0	.0	9.9	17.1	9.2	.0	.0	24.9	1122
	ALL	.2	9.7	.0	.0	.0	9.6	16.9	11.5	.0	.0	27.0	8969
OCT	01	.3	11.1	.0	.3	.0	11.0	21.8	3.3	.0	.0	23.7	1154
	04	.1	11.2	.0	.1	.0	11.0	26.3	2.5	.0	.0	27.6	1154
	07	.3	11.8	.0	.3	.1	11.6	29.5	11.1	.0	.0	37.5	1157
	10	.0	10.3	.0	.3	.0	10.0	13.0	12.6	.0	.0	25.3	1154
	13	.1	9.5	.0	.3	.0	9.5	8.6	9.6	.0	.0	18.2	1152
	16	.4	10.7	.0	.2	.0	10.8	9.7	7.7	.0	.0	17.3	1150
	19	.2	10.9	.0	.2	.0	10.6	12.5	6.5	.0	.0	18.8	1151
	22	.3	10.6	.0	.1	.0	10.3	15.7	4.2	.0	.0	19.0	1153
	ALL	.2	10.8	.0	.2	.0	10.6	17.1	7.2	.0	.0	23.4	9225
NOV	01	.0	14.3	.1	1.3	.0	15.3	19.5	2.7	.0	.0	21.1	1117
	04	.3	14.1	.1	1.3	.0	14.8	20.9	2.2	.0	.0	22.2	1117
	07	.1	14.6	.2	.8	.0	14.6	26.1	8.4	.0	.0	32.4	1120
	10	.0	13.4	.1	.5	.1	13.6	15.5	13.2	.0	.0	27.1	1116
	13	.0	12.8	.1	1.1	.3	13.4	10.7	8.1	.0	.0	18.4	1116
	16	.0	13.4	.1	1.2	.2	14.0	11.0	7.9	.0	.0	18.5	1119
	19	.1	13.2	.1	1.3	.4	13.9	12.5	4.6	.0	.0	16.7	1120
	22	.3	15.3	.0	2.4	.2	16.6	17.5	3.7	.0	.0	20.4	1121
	ALL	.1	13.9	.1	1.2	.1	14.5	16.7	6.3	.0	.0	22.1	8946
DEC	01	.0	11.9	.9	7.4	.3	19.7	15.5	2.3	.0	.0	17.2	1153
	04	.0	10.8	1.3	7.4	.6	18.5	15.5	1.9	.3	.0	17.3	1152
	07	.0	11.1	1.4	7.5	.5	18.6	18.1	4.8	.3	.0	22.4	1153
	10	.0	9.6	1.0	5.8	.3	16.1	15.1	10.9	.3	.0	25.2	1151
	13	.0	10.4	.7	5.7	.1	16.4	12.3	7.5	.2	.0	19.6	1150
	16	.0	11.5	.5	5.3	.3	16.6	14.9	7.1	.2	.0	21.8	1149
	19	.1	10.2	1.0	6.3	.5	16.8	14.1	4.1	.0	.0	17.4	1152
	ALL	.1	10.2	1.0	6.3	.5	16.1	15.2	7.2	.0	.0	18.1	1152

13 - WEATHER CONDITIONS

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	TSTM	RAIN	FREEZE	SNOW	HAIL	% OF		FOG	SMOKE		BLOWING	DUST		TOTAL
			E/OP	RAIN & FREEZE	E/OP		SLEET	OBS WITH PRECIP		E/OP	HAZE		E/CR	W/OBST	
			DRIZZLE	DRIZZLE									SAND	VISION	
JAN	ALL	.0*	8.9	.8	8.2	.6	17.2	13.0	5.0	.4	.0	18.0	.0		9212
FEB	ALL	.0	8.8	.6	8.3	.5	16.9	12.5	4.6	.7	.0	17.5	.0		8408
MAR	ALL	.1	12.2	.4	5.7	.6	17.5	14.6	3.1	.4	.0	17.7	.0		9208
APR	ALL	.1	14.9	.0*	1.1	.2	15.4	14.8	3.5	.1	.0	18.0	.0		8922
MAY	ALL	.3	14.0	.0	.1	.0	13.6	17.9	6.8	.0	.0	24.1	.0		9230
JUN	ALL	.6	10.7	.0	.0	.0	10.4	18.5	14.0	.0	.0	31.4	.0		8951
JUL	ALL	.8	7.5	.0	.0	.0*	7.4	16.6	19.2	.0	.0	34.4	.0		9256
AUG	ALL	.8	8.4	.0	.0	.0	8.2	18.4	19.0	.0	.0	35.8	.0		9235
SEP	ALL	.2	9.7	.0	.0	.0	9.6	16.9	11.5	.0	.0*	27.0	.0		8969
OCT	ALL	.2	10.8	.0	.2	.0*	10.6	17.1	7.2	.0	.0	23.4	.0		9225
NOV	ALL	.1	13.9	.1	1.2	.1	14.5	16.7	6.3	.0	.0	22.1	.0		8946
DEC	ALL	.0*	10.8	.9	6.5	.4	17.6	15.2	5.2	.2	.0	19.9	.0		9212
TOTALS		.3	10.9	.2	2.6	.2	13.2	16.0	8.8	.1	.0*	24.2	.0		108774

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS	SNOW " GRAINS " PELLET	HAIL SMALL MAIL	THUNDER TORNADO SQUALLS	FOG	ICE GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	7.3	.2	2.9	2.7	1.0	20.2	.0	.0	18.7	.9	5.0	1.5	.0	57.2
NNE	18.0	.2	5.0	1.8	2.6	23.5	.0	.0	29.4	.2	6.1	.7	.0	42.1
NE	20.4	.0	2.6	2.2	4.8	26.7	.0	.4	24.8	.0	4.1	.7	.0	42.6
ENE	15.4	.0	3.4	4.0	4.7	22.1	.0	.0	20.8	.7	5.4	.7	.0	49.7
E	26.3	1.3	2.6	3.9	.0	15.8	.0	.0	28.9	1.3	10.5	.0	.0	46.1
ESE	24.2	.0	4.4	.0	3.3	8.8	.0	.0	28.6	1.1	7.7	.0	.0	49.5
SE	32.7	.6	2.9	.0	1.8	5.8	.0	.0	33.9	2.9	9.4	.0	.0	45.0
SSE	22.9	1.8	2.2	.4	.4	4.4	.0	.0	30.8	1.3	11.9	.0	.0	51.1
S	17.3	2.2	2.0	.2	.2	4.4	.0	.0	26.5	1.8	9.4	.4	.0	56.0
SSW	8.6	1.3	1.8	.0	.2	3.1	.0	.0	15.1	.2	5.9	.0	.0	73.5
SW	6.1	1.2	1.0	.0	.0	3.7	.0	.2	9.4	.3	6.3	.0	.0	76.8
WSW	2.4	.8	.0	.0	.0	2.5	.0	.0	3.6	1.0	4.5	.1	.0	83.5
W	.9	.2	.4	.0	.0	2.0	.0	.0	3.1	.5	3.9	.0	.0	86.0
WNW	.7	.1	.3	.1	.0	2.7	.0	.1	1.7	.2	1.3	.4	.0	90.2
NW	1.1	.2	.3	.6	.0	4.2	.0	.0	3.0	.2	2.0	.3	.0	87.9
NNW	3.1	.2	1.1	1.0	.2	9.9	.0	.0	8.1	.5	2.7	.5	.0	77.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	4.2	.4	1.8	1.0	.6	5.4	.0	.0	18.2	3.6	13.4	.0	.0	60.3
TOTALS	634	48	135	75	56	752	0	3	1122	72	462	38	0	6819
% TOTAL	6.7	.5	1.4	.8	.6	8.0	.0	.0*	11.9	.8	4.9	.4	.0	72.4

TOTAL NUMBER OF OBSERVATIONS : 9419

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION

VERSUS

WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : FEB

WIND DIR.	RAIN	SHOWERS	DRIZZLE	FREEZE RAIN	SLEET	" SHOWERS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	5.2	.1	2.3	.8	.4	1.2	20.9	.0	.0	14.5	.4	5.6	2.6	.0	61.4
NNE	18.4	.2	6.6	1.4	1.2	1.2	21.4	.0	.0	28.5	.2	5.6	2.5	.0	44.9
NE	15.9	.3	3.9	1.9	3.9	3.9	23.7	.0	.0	26.7	.3	7.8	.8	.0	43.2
ENE	14.3	.0	4.6	2.3	4.0	4.0	22.3	.0	.0	18.9	.0	5.7	.6	.0	52.0
E	22.0	.8	.0	2.5	.0	.0	18.6	.0	.0	20.3	.8	4.2	.0	.0	50.8
ESE	23.0	.0	.9	2.7	1.8	1.8	12.4	.0	.0	31.0	.0	5.3	.0	.0	49.6
SE	21.0	1.9	3.3	.5	.0	.0	6.5	.0	.0	27.1	.0	7.9	.0	.0	53.7
SSE	17.1	2.0	.3	.0	.0	.0	6.0	.0	.0	24.4	2.0	8.7	.0	.0	56.5
S	13.7	1.5	3.3	.0	.0	.0	3.7	.0	.0	19.6	1.2	6.0	.0	.0	62.3
SSW	7.9	1.8	.0	.0	.0	.0	4.4	.0	.0	9.4	1.5	5.3	.0	.0	70.9
SW	6.0	.8	.6	.0	.0	.0	3.5	.0	.0	7.6	.6	4.8	.0	.0	79.5
WSW	.9	.7	.7	.0	.0	.0	1.8	.0	.0	3.6	.5	4.0	.2	.0	87.4
W	.4	.1	.1	.0	.0	.0	1.0	.0	.0	1.6	.4	2.2	.1	.0	91.9
WNW	.8	.0	.1	.0	.0	.0	1.8	.0	.0	1.4	.2	1.6	.3	.0	93.3
NW	.8	.4	.3	.4	.2	.2	3.2	.0	.0	3.4	.2	2.0	.4	.0	89.1
NNW	3.5	.5	1.8	1.1	.3	.3	8.6	.0	.0	10.2	.3	3.1	1.0	.0	77.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	3.7	.0	2.5	.5	.2	.2	4.5	.0	.0	20.4	3.5	10.2	.0	.0	61.2
TOTALS	558	44	136	47	38	38	697	0	0	998	53	384	57	0	6295
% TOTAL	6.5	.5	1.6	.5	.4	.4	8.1	.0	.0	11.6	.6	4.5	.7	.0	73.3

TOTAL NUMBER OF OBSERVATIONS : 8583

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAR

WIND DIR.	RAIN	RAIN	SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS	SNOW " GRAINS " PELLET	HAIL SMALL HAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	SNOKE HAZE	SNOW	BLOWING SAND DUST	NO WEATHER
N	9.9	1.0		5.0	.7	.9	9.6	.0	.1	18.5	.3	2.1	1.5	.0	65.1
NNE	19.6	1.1		11.4	1.4	2.3	13.4	.0	.0	33.9	.2	2.5	1.6	.0	46.2
NE	18.2	1.4		7.4	.8	3.0	17.0	.0	.2	28.3	.2	3.6	.6	.0	49.9
ENE	14.8	.8		7.0	2.7	3.5	16.7	.0	.0	26.5	.0	4.3	.0	.0	52.9
E	21.0	2.4		4.8	.6	1.2	15.0	.0	.0	31.1	.6	3.0	.0	.0	49.7
ESE	22.9	1.4		5.0	.7	2.1	6.4	.0	.0	27.9	.0	7.9	.0	.0	48.6
SE	16.5	2.7		2.7	.0	.0	4.1	.0	.3	20.9	1.1	7.1	.0	.0	60.4
SSE	11.6	5.5		3.6	.0	.2	2.3	.0	.2	23.3	1.5	8.0	.0	.0	57.6
S	9.1	2.9		2.6	.3	.0	2.2	.0	.3	20.2	.6	5.4	.0	.0	65.6
SSW	5.5	4.2		2.7	.0	.0	1.2	.0	.5	12.9	2.2	4.7	.0	.0	72.5
SW	4.3	2.3		.5	.0	.0	2.5	.0	.0	11.7	.7	5.0	.0	.0	77.0
WSW	1.9	1.9		.0	.0	.0	1.9	.0	.2	4.1	.4	2.5	.0	.0	85.1
W	.6	1.0		.6	.0	.1	2.4	.0	.1	2.7	.3	1.6	.0	.0	89.7
WNW	.5	.4		.1	.0	.0	1.5	.0	.1	1.4	.2	.5	.0	.0	92.9
NW	1.2	.9		.2	.3	.0	2.6	.0	.1	3.6	.3	.5	.0	.0	90.3
NNW	3.3	.8		1.3	.5	.4	7.9	.0	.0	5.5	.3	.9	.8	.0	82.5
VAR	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	6.7	.7		3.0	.3	.0	1.0	.0	.3	16.7	4.7	9.4	.0	.0	67.9
TOTALS	701	150		269	38	56	528	0	13	1290	58	290	34	0	6892
% TOTAL	7.4	1.6		2.9	.4	.6	5.6	.0	.1	13.7	.6	3.1	.4	.0	73.1

TOTAL NUMBER OF OBSERVATIONS : 9423

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE		SLEET " SHOWRS	SNOW		HAIL SMALL TORNADO SQUALLS	FOG	ICE FOG GROUND FOG	BLOWING		NO WEATHER		
				RAIN FREEZE	FREEZE		" GRAINS " PELLET	"				SNOW	SAND DUST			
N	10.5	2.8	4.5	.1	.1	.1	2.0	.0	.1	16.7	.3	.3	2.4	.0	.0	71.4
NNE	22.5	3.8	8.6	.0	.7	.7	1.6	.0	.2	30.7	.3	.3	2.6	.0	.0	54.4
NE	20.6	2.2	6.0	.0	1.0	1.0	2.0	.0	.2	24.4	.2	.2	3.2	.0	.0	61.8
ENE	21.3	2.8	6.0	.0	.4	.4	3.2	.0	.4	21.7	.0	.0	3.6	.0	.0	59.4
E	25.0	2.8	2.2	.0	.0	.0	1.1	.0	.0	20.0	.6	.6	4.4	.0	.0	61.1
ESE	28.4	3.4	7.4	.0	.0	.0	1.1	.0	.0	32.4	.6	.6	3.4	.0	.0	49.4
SE	14.4	6.2	3.6	.0	.0	.0	.0	.0	.0	22.5	.2	.2	8.6	.0	.0	59.1
SSE	12.0	5.0	1.5	.0	.1	.1	.4	.0	.0	20.6	.7	.7	7.0	.0	.0	64.5
S	7.9	5.1	1.7	.0	.0	.0	.1	.1	.4	18.9	1.5	1.5	5.3	.0	.0	68.4
SSW	6.4	5.4	1.2	.0	.0	.0	.2	.0	.2	16.1	.8	.8	4.5	.0	.0	72.4
SW	1.9	4.3	.3	.0	.0	.0	.2	.0	.3	6.5	1.0	1.0	4.3	.0	.0	81.6
WSW	1.4	3.4	.2	.0	.2	.2	.2	.0	.0	4.2	1.2	1.2	3.6	.0	.0	84.0
W	1.5	.9	.2	.0	.0	.0	.3	.0	.2	3.9	.6	.6	1.8	.0	.0	88.4
WNW	1.0	1.8	.2	.0	.0	.0	.6	.0	.0	2.2	.5	.5	.6	.0	.0	91.9
NW	2.5	3.4	.5	.0	.1	.1	2.1	.0	.1	3.6	.2	.2	1.1	.5	.0	87.2
NNW	4.2	3.4	2.0	.0	.0	.0	3.3	.0	.2	8.0	.2	.2	1.0	.3	.0	80.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	5.3	2.0	1.2	.0	.0	.0	.8	.0	.0	13.1	4.9	4.9	5.3	.0	.0	73.1
TOTALS	792	319	214	1	14	14	99	1	13	1253	64	64	309	6	0	6762
% TOTAL	8.7	3.5	2.3	.0*	.2	.2	1.1	.0*	.1	13.7	.7	.7	3.4	.1	.0	74.1

TOTAL NUMBER OF OBSERVATIONS : 9120

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION

VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN FREEZE	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL MAIL	THUNDER TORNADO SQUALLS	FOG	ICE GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	10.7	3.0	4.9	.0	.0	.7	.0	.1	19.2	1.3	3.0	.0	.0	69.1
NNE	16.4	5.2	11.0	.0	.0	.2	.0	.6	32.0	.2	6.3	.0	.0	51.9
NE	16.9	4.2	8.5	.0	.0	.0	.0	.7	28.5	.4	5.8	.0	.0	55.1
ENE	14.1	3.6	2.5	.0	.0	.0	.0	.4	21.7	.0	6.5	.0	.0	64.9
E	16.1	6.1	5.0	.0	.0	.0	.0	.6	24.4	.0	9.4	.0	.0	56.7
ESE	17.0	4.8	7.5	.0	.0	.0	.0	.0	27.2	.7	6.8	.0	.0	58.5
SE	9.9	5.0	2.2	.0	.0	.0	.0	.2	21.5	1.5	11.2	.0	.0	60.2
SSE	7.0	5.0	2.9	.0	.0	.0	.0	.2	22.1	1.0	7.9	.0	.0	63.9
S	5.1	5.8	2.8	.0	.0	.0	.0	.4	22.7	1.7	8.3	.0	.0	62.2
SSW	3.1	5.5	1.5	.0	.0	.0	.0	.0	11.8	1.8	7.8	.0	.0	70.2
SW	2.6	4.5	.3	.0	.0	.0	.0	.5	11.8	.7	7.5	.0	.0	75.0
WSW	1.3	3.8	.6	.0	.0	.0	.0	1.1	6.0	.9	10.0	.0	.0	77.6
W	.0	2.5	.2	.0	.0	.0	.0	.2	2.1	.6	6.2	.0	.0	87.3
WNW	1.1	2.6	.2	.0	.0	.0	.0	.2	3.0	.7	2.5	.0	.0	90.7
NW	1.4	2.1	.5	.0	.0	.0	.0	.0	4.0	.7	2.3	.0	.0	88.5
NNW	3.1	2.9	1.8	.0	.0	.0	.0	.2	7.6	1.6	2.7	.0	.0	85.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	4.1	4.1	1.2	.0	.0	.0	.0	.0	15.2	8.2	9.9	.0	.0	64.1
TOTALS	622	399	272	0	0	6	0	31	1537	118	631	0	0	6586
% TOTAL	6.6	4.2	2.9	.0	.0	.1	.0	.3	16.3	1.3	6.7	.0	.0	69.9

TOTAL NUMBER OF OBSERVATIONS : 9420

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUN

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS	SNOW " GRAINS " PELLET	HAIL SMALL TORNADO HAIL SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	7.9	4.8	4.8	.0	.0	.0	.0	1.2	18.8	.8	6.5	.0	66.5
NNE	14.5	4.1	9.7	.0	.0	.0	.0	.0	33.1	.2	8.9	.0	53.1
NE	12.1	2.7	9.9	.0	.0	.0	.0	.5	30.2	1.1	8.8	.0	53.3
ENE	16.1	4.6	1.8	.0	.0	.0	.0	.9	25.3	.5	12.9	.0	54.4
E	10.3	8.4	1.3	.0	.0	.0	.0	1.3	20.6	.6	12.9	.0	62.6
ESE	9.4	7.1	1.6	.0	.0	.0	.0	.0	27.6	.8	11.8	.0	50.4
SE	5.7	7.0	1.3	.0	.0	.0	.0	2.1	22.9	.5	17.7	.0	53.1
SSE	2.9	6.1	3.1	.0	.0	.0	.0	.4	22.8	1.4	20.6	.0	54.5
S	3.5	5.8	2.8	.0	.0	.0	.0	.5	26.5	1.8	16.4	.0	53.4
SSW	2.0	4.1	1.1	.0	.0	.0	.0	.4	14.8	2.4	15.1	.0	64.9
SW	1.7	3.6	.2	.0	.0	.0	.0	.3	8.7	1.1	17.1	.0	69.6
WSW	.8	3.1	.2	.0	.0	.0	.0	.5	5.8	2.4	18.8	.0	68.8
W	.5	2.3	.0	.0	.0	.0	.0	.5	5.3	2.8	13.3	.0	74.1
WNW	.8	2.3	.0	.0	.0	.0	.0	.7	3.0	.8	7.9	.0	83.3
NW	2.5	3.6	.2	.0	.0	.0	.0	.8	5.9	1.3	7.8	.0	79.8
NNW	2.9	2.3	2.3	.0	.0	.0	.0	.6	7.9	.5	4.7	.0	82.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.7	2.0	1.0	.0	.0	.0	.0	.0	11.1	12.8	.0	.0	57.8
TOTALS	372	386	199	0	0	0	0	55	1499	160	1252	0	5864
% TOTAL	4.1	4.2	2.2	.0	.0	.0	.0	.6	16.4	1.8	13.7	.0	64.3

TOTAL NUMBER OF OBSERVATIONS : 9118

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

D14765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN	SLEET " SHOWERS	SNOW " GRAINS " PELLET	HAIL SMALL TORNADO MAIL SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	4.7	4.3	3.7	.0	.0	.0	.0	17.2	1.6	5.9	.0	.0	72.1
NNE	8.6	5.2	4.1	.0	.0	.0	.0	28.1	.7	7.9	.0	.0	58.4
NE	11.1	5.0	3.6	.0	.0	.0	.7	29.6	1.1	12.9	.0	.0	51.1
ENE	7.9	5.6	6.3	.0	.0	.0	.0	33.3	.8	10.3	.0	.0	50.8
E	9.9	6.9	1.0	.0	.0	.0	.0	14.9	.0	13.9	.0	.0	58.4
ESE	12.3	5.3	.9	.0	.0	.0	.0	27.2	.9	16.7	.0	.0	51.8
SE	6.1	6.6	1.7	.0	.0	.0	1.2	19.8	1.0	25.2	.0	.0	51.1
SSE	2.3	5.5	.9	.0	.0	.0	.0	17.9	.7	30.4	.0	.0	48.8
S	2.4	5.5	1.1	.0	.0	.0	.7	25.0	2.0	24.4	.0	.0	47.3
SSW	1.3	4.6	.6	.0	.0	.0	.0	14.3	2.2	23.1	.0	.0	57.0
SW	.7	3.6	.2	.0	.0	.0	.7	11.3	1.8	25.1	.0	.0	59.1
WSW	.3	3.0	.0	.0	.0	.0	.1	8.3	2.2	23.4	.0	.0	64.3
W	.0	2.7	.0	.0	.0	.0	.9	5.0	1.0	17.0	.0	.0	73.6
WNW	.5	1.7	.2	.0	.0	.0	.3	3.3	1.1	10.8	.0	.0	82.1
NW	.2	2.8	.5	.0	.0	.0	.7	3.9	.7	7.5	.0	.0	84.0
NNW	.2	2.4	.7	.0	.0	.0	.5	6.8	1.4	6.6	.0	.0	81.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	.9	4.7	.6	.0	.0	.0	.3	20.2	11.1	12.3	.0	.0	54.5
TOTALS	214	389	93	0	0	0	1	1368	173	1773	0	0	5832
% TOTAL	2.3	4.1	1.0	.0	.0	.0	.0*	14.5	1.8	18.8	.0	.0	61.9

TOTAL NUMBER OF OBSERVATIONS : 9423

NOTES :

* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION VERSUS

WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG

WIND DIR.	RAIN	SHOWERS	DRIZZLE	FREEZE RAIN	SLEET " SHOWERS ICE	SNOW " GRAINS " PELLET HAIL	HAIL SMALL HAIL	THUNDER TORNA DO	FOG	ICE GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	4.6	2.7	2.6	.0	.0	.0	.0	1.1	20.0	1.1	9.1	.0	.0	65.3
NNE	12.7	7.1	7.1	.0	.0	.0	.0	.5	33.2	.5	7.5	.0	.0	52.7
NE	12.1	6.9	4.7	.0	.0	.0	.0	.6	28.1	.8	9.9	.0	.0	53.2
ENE	8.0	7.1	1.3	.0	.0	.0	.0	2.7	20.4	.9	15.9	.0	.0	57.1
E	4.4	7.0	1.3	.0	.0	.0	.0	1.3	16.5	.6	13.3	.0	.0	60.8
ESE	16.3	8.1	2.4	.0	.0	.0	.0	3.3	29.3	.0	21.1	.0	.0	43.9
SE	4.3	5.2	1.4	.0	.0	.0	.0	1.2	15.9	.9	21.7	.0	.0	57.1
SSE	4.3	3.6	1.7	.0	.0	.0	.0	.3	19.6	1.6	23.4	.0	.0	52.6
S	2.9	5.7	1.3	.0	.0	.0	.0	.5	23.9	2.4	24.1	.0	.0	47.5
SSW	1.1	4.3	.3	.0	.0	.0	.0	1.2	17.2	1.6	25.1	.0	.0	54.4
SW	.5	3.9	.0	.0	.0	.0	.0	.7	14.3	2.5	28.0	.0	.0	53.8
WSW	.6	3.0	.0	.0	.0	.0	.0	.9	7.0	3.3	26.2	.0	.0	62.1
W	.1	1.5	.0	.0	.0	.0	.0	.4	5.3	2.4	20.5	.0	.0	70.1
WNW	.7	1.6	.2	.0	.0	.0	.0	.8	2.8	2.1	12.4	.0	.0	80.1
NW	.7	1.8	.4	.0	.0	.0	.0	.7	4.8	1.4	8.1	.0	.0	82.6
NWW	2.8	1.5	.9	.0	.0	.0	.0	.2	10.6	1.5	7.2	.0	.0	77.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.7	2.8	.9	.0	.0	.0	.0	.2	20.1	12.3	14.5	.0	.0	51.7
TOTALS	294	363	116	0	0	0	0	75	1487	214	1752	0	0	5680
% TOTAL	3.1	3.9	1.2	.0	.0	.0	.0	.8	15.8	2.3	18.6	.0	.0	60.3

TOTAL NUMBER OF OBSERVATIONS : 9416

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : SEP

WIND DIR.	RAIN	SHOWERS	DRIZZLE	FREEZE		SLEET	" SHOWRS	SNOW		HAIL		THUNDER	FOG	ICE		SMOKE	BLOWING		NO
				RAIN	FREEZE			" GRAINS	" PELLET	GROUND	FOG			HAZE	SNOW		SAND	DUST	
N	8.0	2.5	3.9	0	0	0	0	0	0	0	0	0	20.5	1.1	4.8	0	0	0	69.3
NNE	17.7	3.9	6.6	0	0	0	0	0	0	0	0	0	32.4	0.8	6.0	0	0	0	53.4
NE	13.3	3.7	5.9	0	0	0	0	0	0	0	0	0	26.6	0.4	8.3	0	0	0	56.6
ENE	12.7	2.3	4.2	0	0	0	0	0	0	0	0	0	23.6	0.0	9.3	0	0	0	62.2
E	14.4	1.3	2.0	0	0	0	0	0	0	0	0	0	18.3	0.7	5.2	0	0	0	68.6
ESE	17.0	2.0	0	0	0	0	0	0	0	0	0	0	22.0	0.0	12.0	0	0	0	63.0
SE	12.1	2.8	2.1	0	0	0	0	0	0	0	0	0	16.6	0.7	12.4	0	0	0	62.4
SSE	5.6	2.7	3.1	0	0	0	0	0	0	0	0	0	18.2	2.5	17.8	0	0	0	59.8
S	4.3	3.6	1.2	0	0	0	0	0	0	0	0	0	19.5	3.3	13.3	0	0	0	61.8
SSW	2.7	3.3	0.4	0	0	0	0	0	0	0	0	0	14.7	2.5	17.1	0	0	0	63.3
SW	1.3	3.2	0.6	0	0	0	0	0	0	0	0	0	11.0	2.9	17.8	0	0	0	65.4
WSW	0.7	2.1	0.2	0	0	0	0	0	0	0	0	0	7.7	2.1	20.3	0	0	0	69.7
W	0	0.9	0.2	0	0	0	0	0	0	0	0	0	4.2	2.5	14.2	0	0	0	78.2
WNW	1.2	1.9	0.3	0	0	0	0	0	0	0	0	0	3.6	0.9	7.5	0	0	0	85.5
NW	0.9	2.1	0.1	0	0	0	0	0	0	0	0	0	3.3	2.3	4.7	0	0	0	86.8
NNW	1.8	2.8	0.7	0	0	0	0	0	0	0	0	0	5.7	1.8	4.8	0	0	0	83.3
VAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLM	1.9	0.4	1.1	0	0	0	0	0	0	0	0	0	15.2	8.7	12.5	0	0	0	64.9
TOTALS	469	235	167	0	0	0	0	0	0	0	0	21	1316	201	1033	0	2	0	6268
% TOTAL	5.1	2.6	1.8	0	0	0	0	0	0	0	0	0.2	14.4	2.2	11.3	0	0.0	0.0	68.8

TOTAL NUMBER OF OBSERVATIONS : 9114

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT

WIND DIR.	RAIN	RAIN SHOWRS	DRIZZLE	FREEZE RAIN	SLEET " SHOWRS ICE	SNOW " GRAINS " PELLET	HAIL SMALL SQUALLS	THUNDER	FOG	ICE GROUND FOG	SMOKE HAZE	BLOWING SNOW	SAND DUST	NO WEATHER
N	8.6	2.0	4.3	.0	.0	.5	.0	.1	19.7	2.1	4.3	.0	.0	68.3
NNE	16.6	2.5	11.8	.0	.0	.8	.0	.2	30.3	.3	5.5	.0	.0	54.3
NE	15.9	.9	8.2	.0	.0	.2	.0	.2	25.5	.5	5.5	.0	.0	61.7
ENE	18.3	1.4	2.8	.0	.0	.0	.0	.0	22.9	.0	4.1	.0	.0	67.0
E	14.1	1.6	.0	.0	.0	.0	.0	.0	25.0	.8	4.7	.0	.0	65.6
ESE	24.6	4.9	1.6	.0	.0	.0	.0	1.6	26.2	.0	8.2	.0	.0	53.3
SE	10.4	5.8	1.1	.0	.0	.0	.0	.4	19.1	2.9	11.9	.0	.0	58.3
SSE	9.1	4.4	2.3	.0	.0	.0	.0	.5	22.7	3.0	17.1	.0	.0	53.4
S	7.1	2.8	1.4	.0	.0	.0	.0	.3	21.2	3.6	11.1	.0	.0	59.6
SSW	5.6	2.5	.9	.0	.0	.2	.0	.2	11.6	2.3	8.1	.0	.0	72.2
SW	1.4	3.0	.4	.0	.0	.0	.0	.4	6.2	2.6	8.5	.0	.0	79.1
WSW	1.3	1.6	.0	.0	.2	.0	.0	.2	5.3	3.1	8.5	.0	.0	79.2
W	1.1	1.1	.3	.0	.0	.0	.0	.1	3.4	2.1	5.2	.0	.0	84.9
WNW	1.3	.8	.0	.0	.0	.1	.0	.1	3.5	2.5	3.4	.0	.0	86.7
NW	2.6	1.4	.3	.0	.0	.4	.0	.0	4.6	2.1	3.1	.0	.0	85.8
NNW	4.8	1.8	1.2	.0	.0	.7	.0	.1	8.2	2.4	3.0	.0	.0	80.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	1.8	1.0	1.0	.0	.0	.0	.0	.2	17.9	13.5	12.7	.0	.0	58.8
TOTALS	593	195	205	0	1	21	0	19	1305	276	665	0	0	6721
% TOTAL	6.3	2.1	2.2	.0	.0*	.2	.0	.2	13.9	2.9	7.1	.0	.0	71.4

TOTAL NUMBER OF OBSERVATIONS : 9418

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV

WIND DIR.	RAIN	SHOWERS	DRIZZLE	FREEZE RAIN	SLEET " SHOWERS	SNOW " GRAINS " PELLET	HAIL SMALL TORNADO HAIL SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	13.4	1.1	7.0	.2	.3	3.5	.0	22.6	1.3	5.0	.0	.0	62.5
NNE	16.8	1.8	9.6	.2	.2	2.9	.0	33.6	.7	8.3	.0	.0	48.0
NE	22.8	1.1	6.2	.3	1.4	2.2	.0	29.0	.0	3.5	.0	.0	55.8
ENE	30.9	1.7	6.1	.4	.4	2.6	.0	27.4	1.3	2.6	.0	.0	50.4
E	23.9	2.8	2.8	.0	.0	1.4	.0	21.8	.7	8.5	.0	.0	57.0
ESE	35.0	3.3	4.1	.0	.8	1.6	.0	39.8	.8	7.3	.0	.0	41.5
SE	22.8	2.7	4.1	.0	.0	.0	.0	29.7	1.8	12.3	.0	.0	53.0
SSE	13.0	5.7	1.7	.0	.0	.0	.0	28.9	4.2	13.3	.0	.0	49.0
S	12.6	4.4	2.3	.0	.0	.1	.0	25.1	2.5	8.3	.0	.0	59.0
SSW	6.2	5.8	1.2	.0	.0	.0	.0	10.5	2.6	5.6	.0	.0	73.6
SW	4.8	4.1	.1	.0	.0	.6	.0	7.0	1.4	6.2	.0	.0	79.1
WSW	1.4	1.2	.3	.0	.0	.6	.0	2.9	1.1	7.0	.0	.0	85.0
W	.9	2.2	.0	.0	.0	.7	.0	2.7	.6	4.8	.0	.0	87.7
WNW	1.7	2.0	.1	.1	.0	.7	.0	2.6	1.4	2.6	.0	.0	89.1
NW	2.5	.9	.3	.1	.0	.7	.0	3.5	1.4	2.8	.0	.0	89.1
NNW	7.3	1.6	2.2	.1	.1	2.1	.0	11.5	2.1	3.1	.0	.0	77.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	3.7	2.0	1.6	.0	.0	1.0	.0	20.5	8.3	17.4	.0	.0	55.2
TOTALS	801	221	221	8	12	110	0	1329	166	567	0	0	6501
% TOTAL	8.8	2.4	2.4	.1	.1	1.2	.0	14.6	1.8	6.2	.0	.0	71.4

TOTAL NUMBER OF OBSERVATIONS : 9106

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC

WIND DIR.	RAIN	RAIN SHOWERS	DRIZZLE	FREEZE RAIN	SLEET " SHOWERS	SNOW " GRAINS " PELLET MAIL	HAIL SMALL TORNADO MAIL SQUALLS	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	11.2	.5	4.7	3.4	.8	15.0	.0	26.6	.4	5.6	.4	.0	52.7
NNE	24.6	.2	5.5	5.0	2.2	20.8	.0	38.3	.2	6.7	.5	.0	34.4
NE	24.3	.6	3.9	2.3	2.6	18.8	.0	30.7	.0	8.1	.0	.0	43.4
ENE	19.7	.6	3.9	1.7	1.1	20.8	.0	21.3	.0	6.2	.0	.0	44.4
E	30.2	.0	3.4	.9	1.7	9.5	.0	33.6	.0	5.2	.0	.0	47.4
ESE	26.4	3.8	1.9	.9	.9	6.6	.0	28.3	.0	10.4	.0	.0	51.9
SE	26.6	.6	3.6	1.2	.0	2.4	.0	35.5	3.0	5.9	.0	.0	47.9
SSE	22.8	1.0	1.5	.0	.5	3.0	.0	35.1	2.5	6.4	.0	.0	49.5
S	14.8	2.7	2.5	.0	.0	1.2	.0	23.2	1.6	7.8	.0	.0	62.1
SSW	11.0	3.8	1.8	.0	.0	2.6	.0	16.2	1.4	5.0	.0	.0	65.9
SW	3.8	1.6	.6	.0	.0	1.3	.0	6.5	1.3	6.7	.0	.0	80.0
WSW	1.8	1.0	.1	.0	.0	1.8	.0	4.6	.9	6.6	.0	.0	81.4
W	1.2	.3	.0	.0	.0	2.6	.0	2.0	.8	2.5	.1	.0	87.2
WNW	1.1	.4	.2	.0	.0	2.3	.0	1.6	.5	1.3	.1	.0	91.3
NW	1.9	.6	.7	.4	.0	4.3	.0	3.5	.3	2.2	.5	.0	86.6
NNW	3.8	.2	2.2	.8	.6	8.2	.0	10.5	.8	3.8	.1	.0	77.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLM	3.6	.0	2.0	1.0	.2	6.4	.0	18.8	5.0	12.8	.0	.0	57.9
TOTALS	745	83	171	85	37	603	0	1301	95	480	14	0	6684
% TOTAL	7.9	.9	1.8	.9	.4	6.4	.0	13.8	1.0	5.1	.1	.0	71.0

TOTAL NUMBER OF OBSERVATIONS : 9417

NOTES :
* = PERCENT < .05

14 - PERCENTAGE FREQUENCY OF WIND DIRECTION
VERSUS
WEATHER CONDITIONS
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : ANN

WIND DIR.	RAIN	SHOWERS	DRIZZLE	FREEZE		SLEET " SHOURS ICE	SNOW " GRAINS " PELLET		MAIL SMALL MAIL	THUNDER TORNADO SQUALLS	FOG	ICE FOG GROUND FOG		SMOKE HAZE	BLOWING SNOW SAND DUST		NO WEATHER
				RAIN FREEZE	" SHOURS ICE		"	"									
N	8.7	1.8	4.2	.8	.4		7.3	.0	.2		19.6	.9		4.8	.6	.0	64.2
NNE	17.6	2.9	8.4	.8	.8		7.0	.0	.2		32.0	.4		5.9	.5	.0*	49.5
NE	16.9	2.5	6.2	.5	1.2		6.6	.0	.3		27.6	.4		6.5	.2	.0	53.2
ENE	16.4	2.6	4.1	.8	1.1		6.5	.0	.6		23.5	.3		7.1	.1	.0	56.3
E	17.7	3.6	2.3	.5	.2		4.4	.0	.5		22.8	.5		7.8	.0	.0	57.8
ESE	21.5	3.8	3.4	.3	.7		2.8	.0	.6		29.1	.5		9.6	.0	.0	50.8
SE	13.0	4.5	2.4	.1	.1		1.1	.0	.5		22.4	1.2		13.3	.0	.0	56.2
SSE	8.6	4.5	2.2	.0*	.1		.8	.0	.3		22.4	1.6		15.3	.0	.0	56.3
S	6.9	4.5	2.0	.0*	.0*		.6	.0*	.4		23.0	2.1		13.2	.0*	.0	57.6
SSW	4.3	4.0	1.0	.0	.0*		.7	.0	.4		14.1	1.9		12.9	.0	.0	65.7
SW	2.5	3.2	.4	.0	.0		.7	.0	.4		9.6	1.5		13.4	.0	.0	71.1
WSW	1.2	2.1	.2	.0	.0*		.7	.0*	.3		5.3	1.7		11.8	.0*	.0	76.8
W	.6	1.3	.2	.0	.0*		.8	.0	.2		3.4	1.2		7.5	.0*	.0*	83.4
WNW	.9	1.1	.2	.0*	.0		1.1	.0	.2		2.3	.8		3.6	.1	.0	88.9
NW	1.5	1.4	.4	.2	.0*		1.9	.0	.2		3.8	.8		3.1	.2	.0	87.0
NNW	3.6	1.5	1.5	.4	.2		4.3	.0	.1		8.5	1.1		3.4	.3	.0	79.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0		.0	.0	.0	.0
CLM	3.1	1.5	1.5	.3	.1		1.8	.0	.1		18.2	8.1		12.4	.0	.0	59.9
TOTALS	6795	2832	2198	254	214		2816	2	313		15805	1650		9598	149	2	76904
% TOTAL	6.1	2.6	2.0	.2	.2		2.5	.0*	.3		14.2	1.5		8.6	.1	.0*	69.3

TOTAL NUMBER OF OBSERVATIONS : 110977

NOTES :
* = PERCENT < .05

15 - MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURE (DEG F)
(FROM HOURLY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	26.2	27.3	33.8	43.0	51.6	60.7	66.8	65.6	58.5	48.8	40.9	30.7	46.3
S.D.	11.270	10.305	8.212	7.392	6.925	6.337	5.217	6.052	8.253	9.269	9.583	10.932	16.480
TOT OBS	1177	1073	1178	1139	1177	1140	1178	1177	1140	1178	1138	1177	13872
MEAN	25.1	26.1	32.4	41.3	50.1	59.1	65.2	64.0	57.0	47.3	39.8	29.8	44.9
S.D.	11.867	10.897	8.525	7.479	7.130	6.585	5.713	6.543	8.772	9.536	9.979	11.317	16.519
TOT OBS	1177	1073	1178	1140	1178	1139	1178	1177	1140	1177	1137	1176	13870
MEAN	24.5	25.4	33.0	44.0	54.6	64.1	69.4	67.2	59.1	48.2	39.4	29.3	46.6
S.D.	12.153	11.251	8.540	7.317	6.639	6.102	4.848	5.515	7.952	9.008	10.007	11.601	17.947
TOT OBS	1178	1073	1178	1140	1177	1140	1178	1177	1140	1177	1138	1178	13874
MEAN	29.4	31.4	39.6	51.5	62.2	71.3	76.9	75.1	67.8	57.7	46.3	34.4	53.8
S.D.	11.025	10.184	8.969	8.842	8.500	7.837	6.018	6.198	7.697	8.275	8.891	10.537	18.754
TOT OBS	1178	1073	1177	1140	1178	1140	1177	1177	1139	1177	1138	1176	13870
MEAN	33.4	35.4	43.1	54.9	64.9	74.4	79.8	78.3	71.2	61.5	49.8	38.0	57.2
S.D.	10.272	9.847	9.419	9.673	9.058	8.325	6.588	6.668	8.118	8.757	9.134	10.249	18.586
TOT OBS	1178	1073	1178	1140	1178	1139	1178	1177	1138	1177	1138	1177	13871
MEAN	32.8	35.5	43.1	54.1	64.0	73.3	79.1	77.2	69.9	59.7	48.0	36.6	56.2
S.D.	9.704	9.361	8.964	9.292	8.999	8.220	6.448	6.335	7.676	8.147	8.591	9.673	18.238
TOT OBS	1177	1073	1178	1140	1178	1140	1178	1178	1139	1177	1139	1177	13874
MEAN	29.3	31.4	38.4	48.7	58.5	68.1	73.9	71.5	63.5	53.3	43.7	33.4	51.2
S.D.	10.009	9.016	7.704	7.677	7.519	6.943	5.278	5.286	7.049	7.850	8.566	9.905	17.261
TOT OBS	1177	1072	1178	1140	1177	1139	1178	1176	1139	1177	1139	1178	13870
MEAN	27.4	29.2	35.7	45.1	54.1	63.2	69.0	67.5	60.2	50.4	41.7	31.7	48.0
S.D.	10.769	9.609	7.780	7.166	6.784	6.303	4.810	5.527	7.645	8.579	9.172	10.470	16.512
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1177	1139	1178	1139	1178	13874
MEAN	28.5	30.2	37.4	47.8	57.5	66.8	72.5	70.8	63.4	53.4	43.7	33.0	50.5
S.D.	11.350	10.725	9.441	9.514	9.417	8.979	7.754	7.936	9.475	10.143	9.953	11.012	18.117
TOT OBS	9419	8583	9423	9119	9420	9117	9423	9416	9114	9418	9106	9417	110975

16 - MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURE (DEG F)
(FROM HOURLY OBSERVATIONS)014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	23.8	24.9	30.7	39.1	48.1	57.4	63.4	62.5	55.7	46.0	38.0	28.3	43.3
S.D.	11.210	10.286	8.433	7.383	7.129	6.283	5.428	6.297	8.334	9.510	9.828	10.905	16.301
TOT OBS	1177	1073	1178	1139	1177	1141	1178	1177	1140	1178	1138	1177	13873
MEAN	23.0	23.9	29.8	38.0	47.1	56.3	62.3	61.5	54.6	44.9	37.2	27.6	42.3
S.D.	11.758	10.789	8.763	7.615	7.403	6.597	5.887	6.767	8.808	9.752	10.135	11.215	16.431
TOT OBS	1176	1073	1178	1140	1178	1139	1178	1177	1140	1177	1137	1175	13868
MEAN	22.6	23.3	30.1	39.8	49.9	59.2	64.6	63.3	56.0	45.4	36.9	27.1	43.3
S.D.	11.954	11.068	8.769	7.327	6.828	5.902	5.101	6.011	8.185	9.376	10.202	11.451	17.216
TOT OBS	1176	1073	1178	1140	1177	1140	1178	1177	1140	1177	1138	1177	13871
MEAN	26.2	27.7	34.3	43.6	53.3	62.1	67.1	66.2	59.9	50.9	41.3	30.8	47.0
S.D.	10.909	9.880	8.474	7.418	7.136	6.371	5.230	5.781	7.388	8.402	9.107	10.392	16.581
TOT OBS	1177	1073	1177	1140	1178	1140	1177	1177	1139	1177	1138	1176	13869
MEAN	29.0	30.5	36.5	45.3	54.5	63.2	68.0	67.1	61.0	52.3	43.0	33.1	48.7
S.D.	9.881	9.175	8.185	7.336	7.059	6.348	5.274	5.739	7.188	8.186	8.738	9.759	15.866
TOT OBS	1178	1073	1178	1140	1178	1139	1178	1177	1138	1177	1138	1177	13871
MEAN	28.6	30.6	36.5	45.0	54.2	62.9	68.0	66.9	60.7	51.5	42.0	32.2	48.4
S.D.	9.472	8.799	7.778	6.942	7.053	6.260	5.030	5.530	7.144	8.094	8.713	9.556	15.819
TOT OBS	1177	1073	1178	1140	1178	1140	1178	1178	1139	1177	1139	1177	13874
MEAN	26.2	27.9	33.8	42.3	51.7	60.9	66.3	65.2	58.4	48.8	39.6	30.2	46.0
S.D.	10.037	9.102	7.634	6.723	6.874	6.055	4.832	5.489	7.304	8.510	9.103	10.035	16.066
TOT OBS	1177	1072	1178	1140	1177	1139	1178	1176	1139	1177	1139	1178	13870
MEAN	24.8	26.3	32.2	40.5	49.7	58.8	64.5	63.5	56.8	47.0	38.4	29.0	44.4
S.D.	10.750	9.662	7.959	6.902	6.873	6.090	5.006	5.813	7.853	9.006	9.591	10.536	16.126
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1177	1139	1178	1139	1178	13874
MEAN	25.5	26.9	33.0	41.7	51.1	60.1	65.5	64.5	57.9	48.3	39.5	29.8	45.4
S.D.	11.008	10.206	8.638	7.657	7.516	6.691	5.600	6.262	8.122	9.286	9.685	10.690	16.468
TOT OBS	9415	8583	9423	9119	9420	9118	9423	9416	9114	9418	9106	9415	110970

17 - MEANS AND STANDARD DEVIATIONS

 DEW-POINT TEMPERATURE (DEG F)
 (FROM HOURLY OBSERVATIONS)

 014765 PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	16.8	17.8	24.1	33.6	44.3	54.9	61.2	60.6	53.6	42.7	33.4	22.4	38.9
S.D.	14.837	14.226	12.291	10.201	9.374	7.407	6.539	7.237	9.288	11.249	12.273	14.055	19.217
TOT OBS	1177	1073	1178	1139	1177	1141	1178	1177	1140	1178	1138	1177	13873
MEAN	16.2	17.2	23.6	33.0	43.9	54.2	60.5	59.8	52.8	41.9	32.9	21.9	38.3
S.D.	15.312	14.373	12.421	10.283	9.360	7.517	6.737	7.553	9.612	11.363	12.368	14.144	19.254
TOT OBS	1177	1073	1178	1140	1178	1139	1178	1177	1140	1177	1137	1175	13869
MEAN	15.8	16.8	23.7	33.8	45.0	55.6	61.6	60.8	53.6	42.3	32.7	21.6	38.7
S.D.	15.516	14.533	12.556	10.360	9.534	7.455	6.579	7.325	9.356	11.149	12.402	14.287	19.735
TOT OBS	1178	1073	1178	1140	1177	1140	1178	1177	1140	1177	1138	1177	13873
MEAN	17.5	18.6	24.7	33.4	44.9	55.8	61.3	60.8	53.9	43.8	34.3	23.1	39.4
S.D.	15.257	14.298	12.889	11.331	10.765	8.791	7.719	8.091	9.915	11.669	12.521	14.125	19.490
TOT OBS	1178	1073	1177	1140	1178	1140	1177	1177	1139	1177	1138	1176	13870
MEAN	18.6	19.6	25.2	33.4	45.1	55.8	61.1	60.5	53.5	43.1	33.8	23.4	39.5
S.D.	14.427	13.742	12.588	11.462	10.880	9.059	8.120	8.385	10.076	11.951	12.571	13.935	19.130
TOT OBS	1178	1073	1178	1140	1178	1139	1178	1177	1138	1177	1138	1177	13871
MEAN	18.4	19.8	25.3	33.6	45.1	55.9	61.6	60.9	54.0	43.2	33.6	23.2	39.7
S.D.	14.201	13.585	12.376	11.178	10.835	8.838	7.596	8.032	10.091	12.029	12.722	14.011	19.200
TOT OBS	1177	1073	1178	1140	1178	1140	1178	1178	1139	1177	1139	1177	13874
MEAN	17.7	19.3	25.2	33.6	45.0	55.7	61.8	61.3	54.5	43.8	33.6	23.0	39.6
S.D.	14.339	13.725	12.195	10.765	10.347	8.189	6.943	7.327	9.119	11.321	12.396	13.989	19.210
TOT OBS	1177	1072	1178	1140	1177	1139	1178	1176	1139	1177	1139	1178	13870
MEAN	17.1	18.7	24.9	34.1	45.2	55.6	61.7	61.0	54.1	43.2	33.3	22.6	39.4
S.D.	14.638	13.843	12.032	10.174	9.373	7.469	6.351	6.979	9.135	11.137	12.411	14.054	19.173
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1177	1139	1178	1139	1178	13874
MEAN	17.3	18.5	24.6	33.6	44.8	55.4	61.4	60.7	53.7	43.0	33.5	22.6	39.2
S.D.	14.847	14.077	12.433	10.731	10.087	8.134	7.108	7.638	9.590	11.501	12.463	14.082	19.307
TOT OBS	9419	8583	9423	9119	9420	9118	9423	9416	9114	9418	9106	9415	110974

18 - MEANS AND STANDARD DEVIATIONS

SEA-LEVEL PRESSURE (MB)
(FROM HOURLY OBSERVATIONS)014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	1016.3	1016.2	1014.9	1014.7	1015.4	1014.8	1015.3	1016.2	1018.3	1018.5	1017.0	1017.2	1016.2
S.D.	10.539	10.674	9.901	8.723	6.663	5.906	5.188	4.759	6.384	8.244	9.375	10.203	8.386
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1177	1190	1178	1138	1176	13872
MEAN	1016.3	1016.0	1014.6	1014.5	1015.3	1014.8	1015.3	1016.1	1018.1	1018.5	1017.0	1017.3	1016.1
S.D.	10.573	10.758	9.963	8.797	6.747	6.031	5.234	4.843	6.490	8.284	9.485	10.260	8.461
TOT OBS	1177	1073	1178	1140	1178	1140	1178	1177	1190	1177	1137	1176	13871
MEAN	1016.8	1016.5	1015.4	1015.4	1016.1	1015.5	1016.0	1016.9	1019.0	1019.3	1017.6	1017.9	1016.9
S.D.	10.670	10.820	10.112	8.918	6.854	6.138	5.269	4.916	6.572	8.374	9.647	10.301	8.552
TOT OBS	1178	1073	1178	1140	1177	1140	1178	1177	1140	1177	1138	1178	13874
MEAN	1017.5	1016.8	1015.4	1015.1	1015.9	1015.3	1015.9	1016.9	1019.0	1019.3	1017.8	1018.5	1017.0
S.D.	10.810	10.826	10.197	8.997	6.855	6.182	5.284	5.087	6.681	8.479	9.752	10.383	8.651
TOT OBS	1178	1073	1177	1140	1178	1140	1177	1177	1138	1177	1138	1176	13869
MEAN	1015.4	1015.1	1014.0	1013.9	1014.9	1014.5	1015.1	1016.1	1017.8	1017.8	1016.2	1016.6	1015.6
S.D.	10.701	10.706	10.051	8.923	6.764	6.134	5.267	4.958	6.758	8.453	9.616	10.247	8.543
TOT OBS	1178	1073	1178	1140	1178	1139	1178	1177	1138	1177	1138	1177	13871
MEAN	1015.6	1014.8	1013.4	1013.2	1014.2	1013.9	1014.5	1015.4	1017.2	1017.4	1016.2	1016.8	1015.2
S.D.	10.538	10.475	9.819	8.723	6.624	6.056	5.220	4.819	6.679	8.323	9.345	10.057	8.400
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1178	1139	1177	1139	1177	13873
MEAN	1016.5	1015.9	1014.5	1014.2	1014.9	1014.4	1014.9	1015.9	1018.0	1018.4	1017.1	1017.6	1016.0
S.D.	10.541	10.423	9.687	8.540	6.464	5.851	5.105	4.700	6.440	8.271	9.161	10.055	8.300
TOT OBS	1177	1072	1178	1140	1177	1139	1178	1176	1139	1177	1139	1178	13870
MEAN	1016.7	1016.2	1015.1	1015.0	1015.6	1015.1	1015.6	1016.6	1018.5	1018.7	1017.3	1017.7	1016.5
S.D.	10.545	10.528	9.755	8.578	6.484	5.804	5.063	4.680	6.348	8.357	9.209	10.082	8.297
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1177	1139	1178	1139	1178	13874
MEAN	1016.4	1015.9	1014.7	1014.5	1015.3	1014.8	1015.3	1016.3	1018.2	1018.5	1017.0	1017.5	1016.2
S.D.	10.629	10.666	9.955	8.798	6.705	6.031	5.224	4.869	6.567	8.368	9.463	10.211	8.467
TOT OBS	9419	8583	9423	9120	9419	9118	9423	9416	9113	9418	9106	9416	110974

19 - MEANS AND STANDARD DEVIATIONS

STATION PRESSURE (INCHES OF HG)
(FROM HOURLY OBSERVATIONS)014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	29.946	29.942	29.906	29.898	29.919	29.904	29.918	29.943	30.002	30.011	29.967	29.974	29.944
S.D.	.307	.311	.288	.253	.193	.170	.149	.137	.185	.240	.273	.297	.244
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1177	1140	1178	1138	1177	13873
MEAN	29.946	29.936	29.897	29.893	29.916	29.901	29.916	29.940	29.998	30.009	29.966	29.975	29.941
S.D.	.308	.313	.290	.256	.195	.174	.151	.139	.188	.241	.276	.299	.246
TOT OBS	1177	1073	1178	1140	1178	1140	1178	1177	1140	1177	1137	1176	13871
MEAN	29.962	29.953	29.920	29.919	29.941	29.922	29.938	29.964	30.023	30.033	29.984	29.992	29.963
S.D.	.311	.315	.294	.259	.198	.177	.151	.141	.191	.244	.281	.301	.249
TOT OBS	1178	1073	1178	1140	1177	1140	1178	1177	1140	1177	1138	1178	13874
MEAN	29.980	29.961	29.919	29.912	29.934	29.917	29.934	29.963	30.024	30.034	29.991	30.010	29.965
S.D.	.315	.316	.297	.261	.199	.179	.152	.147	.194	.247	.284	.302	.252
TOT OBS	1178	1073	1177	1140	1178	1140	1177	1177	1139	1177	1138	1176	13870
MEAN	29.920	29.912	29.879	29.877	29.904	29.893	29.912	29.939	29.991	29.989	29.944	29.955	29.926
S.D.	.312	.312	.293	.259	.196	.177	.151	.143	.196	.246	.278	.299	.248
TOT OBS	1178	1073	1178	1140	1178	1139	1178	1177	1138	1177	1138	1177	13871
MEAN	29.925	29.903	29.861	29.857	29.886	29.878	29.895	29.921	29.972	29.979	29.944	29.962	29.915
S.D.	.307	.305	.286	.254	.192	.175	.150	.138	.193	.242	.272	.293	.244
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1178	1139	1177	1139	1177	13873
MEAN	29.953	29.934	29.893	29.886	29.906	29.891	29.905	29.934	29.994	30.006	29.970	29.984	29.938
S.D.	.307	.304	.282	.248	.187	.169	.147	.135	.187	.240	.267	.293	.241
TOT OBS	1177	1072	1178	1140	1177	1139	1178	1176	1139	1177	1139	1178	13870
MEAN	29.958	29.944	29.910	29.908	29.927	29.912	29.926	29.953	30.009	30.016	29.974	29.986	29.952
S.D.	.307	.307	.284	.249	.187	.167	.145	.134	.184	.243	.268	.293	.241
TOT OBS	1177	1073	1178	1140	1177	1140	1178	1177	1139	1178	1139	1178	13874
MEAN	29.949	29.936	29.898	29.894	29.917	29.902	29.918	29.945	30.002	30.010	29.967	29.980	29.943
S.D.	.310	.311	.290	.256	.194	.174	.150	.140	.190	.243	.275	.297	.246
TOT OBS	9419	8583	9423	9120	9419	9118	9423	9416	9114	9418	9106	9417	110976

20 - FLYING WEATHER - PERCENT OF HOURS

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

PERCENT OF HOURS WITH
CEILING LESS THAN 5000 FEET & VISIBILITY LESS THAN 5.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	33	34	34	33	33	36	34	38	36	33	35	37	35	38
04	35	35	35	35	39	44	43	42	39	35	35	37	38	38
07	37	37	38	36	38	39	41	44	43	40	41	38	39	38
10	34	34	36	33	34	34	33	35	35	34	39	36	35	38
13	32	36	39	35	32	33	33	36	32	31	38	36	34	38
16	33	32	35	31	28	28	27	32	30	27	35	33	31	38
19	32	31	33	30	29	29	29	34	31	28	33	33	31	38
22	31	31	32	31	30	32	33	34	31	31	36	35	32	38
ALL	33	34	35	33	33	35	34	37	35	32	37	36	35	38

PERCENT OF HOURS WITH
CEILING LESS THAN 3000 FEET & VISIBILITY LESS THAN 3.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	25	26	26	25	27	28	26	29	28	24	28	27	27	38
04	26	27	26	28	31	33	32	32	30	27	27	26	29	38
07	27	26	28	26	29	31	29	32	34	29	28	27	29	38
10	25	27	27	23	25	25	24	24	26	23	28	25	25	38
13	24	26	25	21	21	20	17	20	21	19	25	25	22	38
16	23	24	24	20	17	16	13	18	19	18	25	23	20	38
19	23	23	25	22	21	19	17	20	19	15	24	25	21	38
22	23	24	25	24	24	23	22	23	23	22	26	25	24	38
ALL	25	25	26	24	24	25	23	25	25	23	26	26	25	38

PERCENT OF HOURS WITH
CEILING LESS THAN 1000 FEET & VISIBILITY LESS THAN 3.00 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	16	16	17	16	21	22	20	22	20	16	15	16	18	38
04	17	15	18	20	24	28	27	25	21	15	17	17	21	38
07	17	18	20	19	22	24	23	25	26	22	19	18	21	38
10	18	17	16	12	14	14	11	11	13	13	16	17	14	38
13	15	15	14	9	11	8	7	7	8	5	12	15	11	38
16	14	15	14	10	9	9	7	8	8	9	12	15	11	38
19	14	14	14	13	14	13	10	12	12	12	13	15	13	38
22	14	15	15	16	18	17	16	16	15	15	15	15	16	38
ALL	16	16	16	15	17	17	15	16	15	14	15	16	16	38

20 - FLYING WEATHER - PERCENT OF HOURS

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

Q14765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

PERCENT OF HOURS WITH
400 FEET & VISIBILITY LESS THAN 1 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	5	6	5	5	9	9	7	5	5	6	6	6	6	38
04	5	6	5	6	10	11	8	6	7	9	6	5	7	38
07	5	6	7	5	7	7	5	5	7	8	7	5	6	38
10	6	5	4	1	3	2	1	1	1	2	3	5	3	38
13	5	5	4	1	1	1	0*	1	0*	1	2	5	2	38
16	5	4	4	2	1	1	0*	0*	1	2	2	4	2	38
19	5	5	4	4	4	2	1	1	2	3	3	5	3	38
22	4	6	4	5	7	5	3	3	3	4	5	5	5	38
ALL	5	5	5	4	5	5	3	3	3	4	4	5	4	38

PERCENT OF HOURS WITH
100 FEET & VISIBILITY LESS THAN 1/4 MILES

HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	# YRS
01	1	1	1	1	2	1	1	0*	1	2	1	1	1	38
04	1	1	1	1	2	2	1	2	2	2	1	1	1	38
07	1	1	1	1	1	1	0*	1	1	3	2	1	1	38
10	1	1	0*	0	0*	0*	0	0	0	0*	0*	0*	0*	38
13	1	1	0*	0	0	0	0	0	0	0	0*	0*	0*	38
16	1	0*	1	0*	0*	0	0	0*	0	0*	0*	1	0*	38
19	1	1	1	1	0*	0*	0*	0*	0*	0*	0*	1	1	38
22	1	1	1	1	1	1	0*	0*	0*	1	1	1	1	38
ALL	1	1	1	1	1	1	0*	0*	1	1	1	1	1	38

NOTE :
* = VALUE > 0 AND < 0.5 PERCENT

5 - DAILY TEMPERATURES

ELEMENT TYPE : MAXIMUM TEMPERATURE

014765 PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>= 100	.0	.0	.0	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0*
>= 95	.0	.0	.0	.1	.0	.5	3.0	.9	.4	.0	.0	.0	.4
>= 90	.0	.0	.0	.3	1.4	6.1	11.5	5.9	2.5	.0	.0	.0	2.3
>= 85	.0	.0	.0	1.0	4.3	17.2	33.3	26.5	7.5	.9	.0	.0	7.6
>= 80	.0	.0	.0	2.1	9.3	37.7	66.0	55.1	21.2	2.6	.1	.0	16.3
>= 75	.0	.0	.3	5.4	22.1	61.1	89.6	82.8	42.2	10.5	.5	.0	26.4
>= 70	.0	.2	1.5	12.2	39.5	82.7	97.3	95.6	67.2	24.5	2.6	.1	35.5
>= 65	.2	.6	3.4	22.5	62.4	92.6	99.7	99.4	86.1	44.8	8.5	.8	43.7
>= 60	1.3	1.7	8.1	38.9	83.0	97.8	100.0	100.0	96.6	67.4	22.3	4.6	52.1
>= 55	5.5	5.3	15.4	59.4	93.5	99.9	100.0	100.0	99.6	84.5	39.7	11.3	59.8
>= 50	11.2	12.8	32.7	79.5	98.1	100.0	100.0	100.0	100.0	95.6	60.7	20.0	67.8
>= 45	20.3	24.8	53.1	93.8	99.6	100.0	100.0	100.0	100.0	98.7	78.8	33.3	75.4
>= 40	36.8	43.5	73.5	99.2	100.0	100.0	100.0	100.0	100.0	99.8	92.4	52.6	83.3
>= 35	57.9	66.0	90.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	98.1	72.9	90.6
>= 30	75.3	83.3	97.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	99.8	87.8	95.3
>= 25	88.0	92.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	98.0
>= 20	95.6	96.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.1	99.2
>= 15	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.8
>= 10	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9
>= 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

MEAN 36.4 38.3 45.7 57.7 67.6 76.7 82.0 80.2 73.1 63.4 52.2 41.8 59.6
 S.D. 10.310 9.725 9.296 9.620 8.964 8.014 6.273 6.215 7.788 8.478 9.033 10.322 18.244
 TOT. OBS. 1178 1064 1178 1140 1178 1140 1178 1177 1140 1177 1140 1178 13868

NOTES :
 * = PERCENT < .05

6 - DAILY TEMPERATURES

ELEMENT TYPE : MINIMUM TEMPERATURE

014765 PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>= 75	.0	.0	.0	.0	.0	.0	.9	.4	.0	.0	.0	.0	.1
>= 70	.0	.0	.0	.0	.1	1.7	13.2	11.8	2.5	.0	.0	.0	2.5
>= 65	.0	.0	.0	.0	.7	12.3	44.5	35.8	11.0	.3	.1	.0	8.8
>= 60	.0	.0	.0	.1	4.2	36.8	77.2	65.8	25.2	3.7	.2	.0	17.9
>= 55	.0	.0	.0	1.1	16.3	66.1	95.2	86.2	44.6	11.6	1.6	.2	27.1
>= 50	.2	.1	.1	5.8	37.9	88.1	99.7	97.2	69.1	25.5	6.1	.5	36.1
>= 45	.4	.5	2.0	18.0	67.1	98.6	100.0	99.7	86.1	43.8	13.9	2.0	44.6
>= 40	1.9	1.8	9.0	43.6	90.5	100.0	100.0	100.0	96.1	63.8	28.9	6.4	53.8
>= 35	7.3	8.6	24.4	72.0	98.4	100.0	100.0	100.0	99.6	82.9	49.2	14.4	63.3
>= 30	19.4	25.4	52.6	93.7	99.9	100.0	100.0	100.0	100.0	95.4	72.8	33.7	74.6
>= 25	36.3	44.8	74.4	98.6	100.0	100.0	100.0	100.0	100.0	99.2	91.2	54.5	83.4
>= 20	53.5	60.3	88.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	97.9	70.4	89.3
>= 15	69.0	74.5	95.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	99.7	84.6	93.7
>= 10	83.2	87.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.7	96.9
>= 5	92.2	94.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.4	98.6
>= 0	97.0	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.1	99.6
>= -5	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9
>= -10	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>= -15	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

MEAN 20.0 21.8 29.2 38.6 47.8 57.1 63.5 61.9 53.7 43.3 35.0 24.7 41.5
 S.D. 10.600 10.141 7.860 6.622 6.576 6.194 5.310 6.310 8.142 8.760 9.990 16.960
 TOT. OBS. 1178 1064 1174 1140 1178 1140 1178 1177 1140 1177 1140 1178 13868

NOTES :
 * = PERCENT < .05

7 - DAILY TEMPERATURES

ELEMENT TYPE : MEAN TEMPERATURE

014765 PROVIDENCE, RI
 PERIOD OF RECORD : 1949-1986
 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (DEG F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
>= 90	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0*
>= 85	.0	.0	.0	.0	.0	.0	1.3	.3	.2	.0	.0	.0	.2
>= 80	.0	.0	.0	.1	.2	3.1	10.1	8.1	1.9	.0	.0	.0	2.0
>= 75	.0	.0	.0	.1	1.4	13.9	38.7	30.4	8.3	.1	.0	.0	7.8
>= 70	.0	.0	.0	.7	5.9	36.8	74.6	60.9	22.1	1.9	.0	.0	17.1
>= 65	.0	.0	.0	2.7	17.2	64.7	95.7	88.1	43.9	9.3	.8	.0	27.1
>= 60	.0	.0	.4	7.5	38.3	87.0	99.7	98.6	69.8	23.4	3.3	.2	35.9
>= 55	.3	.2	2.4	18.3	67.6	98.2	100.0	99.9	89.7	45.6	9.9	.8	44.7
>= 50	1.0	1.4	6.9	39.6	89.6	100.0	100.0	100.0	98.1	68.0	23.7	4.7	53.0
>= 45	4.8	5.5	18.2	67.4	98.0	100.0	100.0	100.0	99.9	87.3	45.7	11.7	61.8
>= 40	13.3	16.2	41.1	91.2	99.9	100.0	100.0	100.0	100.0	97.0	69.6	22.5	71.1
>= 35	27.8	34.1	66.8	98.5	100.0	100.0	100.0	100.0	100.0	99.7	87.4	43.8	80.0
>= 30	45.6	55.6	85.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	97.1	64.6	87.5
>= 25	65.9	72.6	95.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	99.6	81.1	93.0
>= 20	81.1	87.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.9	96.6
>= 15	91.3	94.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.1	98.6
>= 10	96.8	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.3	99.5
>= 5	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.9
>= 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MEAN	28.4	30.3	37.7	48.4	57.9	67.2	73.0	71.3	63.7	53.6	43.8	33.0	50.8
S.D.	9.915	9.338	7.943	7.380	6.970	6.438	5.095	5.600	7.334	7.895	8.081	9.602	17.288
TOT. OBS.	1178	1064	1178	1140	1178	1140	1178	1177	1140	1177	1140	1178	13868

NOTES :

* = PERCENT < .05

8 - DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION

(FROM DAILY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

		INCHES											PERCENT TOTAL		TOTAL PRECIPITATION	
													OF DAYS		(INCHES)	
													WITH			
													NO.			
													OF			
													AMOUNTS		OBS	
															MEAN	
															HI	
															LOW	

PERCENTAGE FREQUENCY OF
SNOW FALL

(FROM DAILY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

	INCHES													PERCENT OF DAYS WITH AMOUNTS	TOTAL NO. OF OBS	MEAN	HI	LOW	TOTAL PRECIPITATION (INCHES)
	NONE	TRACE	.1-.4	.5-1.4	<2.4	<3.4	<4.4	<= 6.4	<10.4	<15.4	<25.4	<50.4	>50.4	>=.1					
JAN	64.3	17.9	6.2	4.8	2.5	1.7	1.2	.8	.7	.0	.0	.0	.0	17.8	1178	9.4	28.7	.5	
FEB	64.8	16.8	6.5	5.4	2.0	1.8	.8	.6	.8	.4	.2	.0	.0	18.4	1064	10.1	30.9	.07	
MAR	73.9	13.9	3.9	3.7	1.5	1.2	.3	.8	.7	.1	.0	.0	.0	12.2	1178	7.3	31.6	.07	
APR	91.8	5.9	1.2	.6	.3	.0	.1	.0	.1	.0	.0	.0	.0	2.3	1140	.7	7.6	.0	
MAY	99.7	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	1177	.2	7.0	.0	
JUN	99.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1140	.07	.07	.0	
JUL	99.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1178	.07	.07	.0	
AUG	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1177	.0	.0	.0	
SEP	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1140	.0	.0	.0	
OCT	98.7	1.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3	1177	.1	2.5	.0	
NOV	90.9	7.4	.6	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	1.8	1140	.7	4.4	.0	
DEC	69.2	15.7	6.1	3.7	2.8	.9	.6	.6	.3	.1	.0	.0	.0	15.1	1178	6.4	19.8	.07	
ANN	87.9	6.5	2.0	1.5	.8	.5	.3	.2	.2	.0*	.0*	.0	.0	5.6	13867	35.0	70.7	6.2	

NOTES :

0.001, .00 OR 0.1 = ZERO PRECIPITATION, SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED

* = PERCENT < .05

ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.

10 - DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH

(FROM DAILY OBSERVATIONS)

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

	INCHES																			TOTAL PRECIPITATION (INCHES)				
																				PERCENT OF DAYS WITH	TOTAL NO. OF	MEAN	HI	LOW
	AMOUNTS																							
	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	60-120	> 120	>= 1										
JAN	46.9	15.9	8.6	8.1	5.5	10.0	3.9	1.1	.0	.0	.0	.0	.0	37.2	1178	1178	14.	0.	0.	0.				
FEB	44.7	20.2	8.1	5.8	5.8	7.3	4.8	2.2	1.0	.0	.0	.0	.0	35.1	1064	1064	30.	0.	0.	0.				
MAR	71.4	11.3	5.5	2.5	2.2	3.4	3.1	.5	.0	.0	.0	.0	.0	17.3	1178	1178	20.	0.	0.	0.				
APR	97.2	1.7	.7	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0	1.1	1140	1140	10.	0.	0.	0.				
MAY	99.9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1178	1178	2.	0.	0.	0.				
JUN	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1140	1140	0.	0.	0.	0.				
JUL	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1177	1177	0.	0.	0.	0.				
AUG	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1177	1177	0.	0.	0.	0.				
SEP	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1140	1140	0.	0.	0.	0.				
OCT	99.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1177	1177	1.	0.	0.	0.				
NOV	96.8	1.6	1.0	.3	.1	.3	.0	.0	.0	.0	.0	.0	.0	1.6	1140	1140	4.	0.	0.	0.				
DEC	67.4	12.9	7.1	4.2	2.2	4.9	1.3	.0	.0	.0	.0	.0	.0	19.7	1178	1178	12.	0.	0.	0.				
ANNUAL	85.5	5.2	2.6	1.7	1.3	2.2	1.1	.3	.1	.0	.0	.0	.0	9.2	13867	13867	30.	0.1	0.1	0.1				

NOTES :

.001, .0 OR 0.1 = ZERO PRECIPITATION *SNOWFALL OR SNOW DEPTH MEASURED BUT A TRACE WAS NOTED

* = PERCENT < .05

ANNUAL HI AND LOW VALUES ARE DERIVED FROM ANNUAL TOTALS.

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : JAN

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.89	48	6.50	165	6.	152
2	1.85	47	3.90	99	9.	229
3	1.09	28	4.20	107	7.	178
4	2.90	74	2.00	51	6.	152
5	.59	15	2.20	56	4.	102
6	2.46	62	1.30	33	4.	102
7	1.28	33	8.00	203	9.	229
8	1.49	38	3.70	94	9.	229
9	2.06	52	5.80	147	8.	203
10	2.20	56	5.60	142	9.	229
11	.66	17	6.10	155	10.	254
12	.51	13	2.10	53	10.	254
13	1.36	35	10.30	262	10.	254
14	1.73	44	3.00	76	11.	279
15	.91	23	4.20	107	11.	279
16	.53	13	6.40	163	10.	254
17	1.04	26	9.60	244	9.	229
18	1.02	26	3.20	81	10.	254
19	.94	24	2.40	61	9.	229
20	1.17	30	10.40	264	10.	254
21	2.50	64	6.60	168	14.	356
22	1.26	32	2.50	64	14.	356
23	1.56	40	8.00	203	14.	356
24	1.68	43	4.10	104	14.	356
25	1.71	43	5.70	145	14.	356
26	1.75	44	2.70	69	14.	356
27	1.67	42	3.00	76	14.	356
28	1.02	26	2.20	56	13.	330
29	.82	21	3.50	89	13.	330
30	.78	20	5.20	132	12.	305
31	.91	23	4.30	109	12.	305
MONTH	2.90	74	10.40	264	14.	356

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : FEB

DAY	PRECIPITATION			SNOWFALL			SNOW DEPTH		
	INCHES	MM	DATE	INCHES	MM	DATE	INCHES	MM	DATE
1	1.51	38	1982	3.70	94	1955	11.	279	1961
2	2.16	55	1973	2.40	61	1974	11.	279	1961
3	2.17	55	1970	4.20	107	1951	11.	279	1961
4	2.50	64	1961	18.30	465	1961	14.	356	1961
5	1.06	27	1971	7.60	193	1977	30.	762	1961
6	1.98	50	1978	18.00	457	1978	29.	737	1961
7	1.22	31	1978	11.20	284	1981	28.	711	1961
8	1.47	37	1971	2.10	53	1953	28.	711	1961
9	1.50	38	1969	9.90	251	1969	27.	686	1978
10	1.57	40	1970	3.00	76	1967	27.	686	1978
11	1.98	50	1955	4.30	109	1986	26.	660	1978
12	1.42	36	1963	7.80	198	1975	25.	635	1978
13	2.59	66	1966	1.10	28	1982	23.	584	1978
14	1.03	26	1962	11.30	287	1962	23.	584	1978
15	2.31	59	1953	5.60	142	1962	22.	559	1978
16	.88	22	1964	9.10	231	1958	18.	457	1962
17	1.75	44	1983	4.10	104	1974	17.	432	1962
18	.91	23	1951	5.90	150	1952	13.	330	1962
19	1.95	50	1972	6.10	155	1964	12.	305	1962
20	.80	20	1981	2.70	69	1977	15.	381	1962
21	.77	20	1986	2.20	56	1952	14.	356	1962
22	.96	24	1974	3.10	79	1950	16.	406	1962
23	.68	17	1967	3.80	97	1967	14.	356	1962
24	1.81	46	1969	14.20	361	1965	13.	330	1962
25	2.11	54	1965	5.70	145	1966	15.	381	1969
26	2.18	55	1979	3.30	84	1972	14.	356	1969
27	.67	17	1971	4.80	122	1952	14.	356	1969
28	2.21	56	1984	5.90	150	1949	12.	305	1969
29									
30									
31									

MONTH 2.59 66 1966 18.30 465 1961 30. 762 1961

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

MONTH : MAR

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	.96	24	4.40	112	12.	305
2	.85	22	1.30	33	12.	305
3	1.73	44	9.00	229	14.	356
4	1.27	32	8.30	211	14.	356
5	1.00	25	3.40	86	18.	457
6	1.58	40	2.70	69	13.	330
7	2.07	53	2.00	51	9.	229
8	1.08	27	2.00	51	9.	229
9	1.08	27	6.00	152	7.	178
10	.71	18	2.20	56	8.	203
11	1.64	42	3.20	81	6.	152
12	1.62	41	6.20	157	5.	127
13	2.13	54	4.70	119	7.	178
14	1.28	33	5.90	150	5.	127
15	1.21	31	8.80	224	4.	102
16	1.28	33	8.70	221	10.	254
17	2.78	71	3.30	84	10.	254
18	2.18	55	6.90	175	7.	178
19	1.29	33	14.70	373	10.	254
20	1.88	48	6.00	152	20.	508
21	2.02	51	3.10	79	15.	381
22	2.12	54	9.20	234	9.	229
23	1.57	40	1.40	36	9.	229
24	.65	17	2.80	71	8.	203
25	1.68	43	2.00	51	5.	127
26	.62	16	.60	15	4.	102
27	1.25	32	3.30	84	2.	51
28	.57	14	.50	13	3.	76
29	1.11	28	7.80	198	2.	51
30	.66	17	1.90	48	8.	203
31	.88	22	5.90	150	4.	102
MONTH	2.78	71	14.70	373	20.	508

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

* = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OPTITED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : APR

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.14	54	1962	.60	15	1954
2	2.82	72	1970	1.10	28	1970
3	1.79	45	1951	T	T	1978
4	1.01	26	1980	1.70	43	1957
5	1.92	49	1957	.40	10	1957
6	2.16	55	1958	7.30	185	1982
7	1.47	37	1953	1.60	41	1967
8	1.17	30	1983	1.20	30	1956
9	1.39	35	1974	.80	20	1979
10	4.30	109	1983	1.30	33	1974
11	1.31	33	1958	3.70	94	1958
12	.36	9	1965	T	T	1959
13	1.34	34	1961	2.10	53	1953
14	1.56	40	1964	.20	5	1953
15	1.13	29	1967	.00	0	1986
16	2.12	54	1961	.30	8	1962
17	2.33	59	1954	T	T	1962
18	.59	15	1967	T	T	1967
19	2.36	60	1983	T	T	1967
20	.86	22	1972	T	T	1983
21	.25	6	1986	.00	0	1986
22	.99	25	1969	.00	0	1986
23	1.00	25	1954	T	T	1986
24	2.73	69	1983	T	T	1967
25	.78	20	1955	T	T	1971
26	1.67	42	1973	T	T	1975
27	1.94	49	1979	T	T	1975
28	1.84	47	1952	T	T	1966
29	.95	24	1980	T	T	1971
30	1.07	27	1963	.00	0	1986
31						
MONTH	4.30	109	1983	7.30	185	1982
				10.	254	1970

NOTES :
 T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
 + = VALUE OCCURRED IN PREVIOUS YEAR(S).
 THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : MAY

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.28	33	1953	.00	0	1986
2	.52	13	1985	.10	3	1953
3	1.62	41	1985	.00	0	1986
4	.66	17	1972	.00	0	1986
5	.77	20	1978	.00	0	1986
6	.73	19	1958	.00	0	1986
7	.96	24	1967	.00	0	1986
8	2.56	65	1954	.00	0	1986
9	1.91	49	1977	6.70	170	1977
10	.71	18	1974	.30	8	1977
11	.99	25	1951	.00	0	1986
12	1.60	41	1952	.00	0	1986
13	.59	15	1979	.00	0	1986
14	1.15	29	1962	.00	0	1986
15	.93	24	1972	.00	0	1986
16	1.08	27	1971	.00	0	1986
17	1.37	35	1970	.00	0	1986
18	1.29	33	1963	.00	0	1986
19	1.15	29	1966	.00	0	1986
20	1.26	32	1972	.00	0	1986
21	1.10	28	1986	.00	0	1986
22	.73	19	1949	.00	0	1986
23	2.92	74	1979	.00	0	1986
24	1.35	34	1960	.00	0	1986
25	3.73	95	1967	.00	0	1986
26	1.67	42	1961	.00	0	1986
27	1.38	35	1961	.00	0	1986
28	1.37	35	1966	.00	0	1986
29	1.44	37	1963	.00	0	1986
30	1.95	50	1983	.00	0	1986
31	5.15	131	1984	.00	0	1986
MONTH	5.15	131	1984	6.70	170	1977
				2.	51	1977

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : JUN

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	.82	21	.00	0	0.	0
2	2.90	74	.00	0	0.	0
3	1.28	33	.00	0	0.	0
4	.87	22	.00	0	0.	0
5	2.97	75	.00	0	0.	0
6	1.30	33	.00	0	0.	0
7	1.38	35	.00	0	0.	0
8	1.69	43	.00	0	0.	0
9	.58	15	.00	0	0.	0
10	1.65	42	.00	0	0.	0
11	.88	22	.00	0	0.	0
12	1.34	34	.00	0	0.	0
13	1.69	43	.00	0	0.	0
14	.95	24	.00	0	0.	0
15	.24	6	.00	0	0.	0
16	1.48	38	.00	0	0.	0
17	1.31	33	.00	0	0.	0
18	.40	10	.00	0	0.	0
19	2.00	51	.00	0	0.	0
20	1.03	26	.00	0	0.	0
21	1.31	33	T	1955	0.	0
22	.95	24	.00	0	0.	0
23	.40	10	.00	0	0.	0
24	1.99	51	.00	0	0.	0
25	.60	15	.00	0	0.	0
26	.60	15	.00	0	0.	0
27	.76	19	.00	0	0.	0
28	1.51	38	.00	0	0.	0
29	.54	14	.00	0	0.	0
30	1.55	39	.00	0	0.	0
31						

MONTH	2.97	75	1982	T	T	1955	0.	0	1986
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NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : JUL

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	.68	17	.00	0	0.	0
2	1.50	38	.00	0	0.	0
3	1.32	34	.00	0	0.	0
4	1.65	42	.00	0	0.	0
5	1.43	36	.00	0	0.	0
6	1.74	44	.00	0	0.	0
7	1.35	34	.00	0	0.	0
8	.95	24	.00	0	0.	0
9	1.31	33	.00	0	0.	0
10	1.21	31	.00	0	0.	0
11	1.75	44	.00	0	0.	0
12	1.50	38	.00	0	0.	0
13	.90	23	.00	0	0.	0
14	2.21	56	.00	0	0.	0
15	1.11	28	.00	0	0.	0
16	.67	17	.00	0	0.	0
17	1.08	27	.00	0	0.	0
18	1.21	31	.00	0	0.	0
19	2.45	62	.00	0	0.	0
20	1.51	38	.00	0	0.	0
21	1.47	37	.00	0	0.	0
22	.87	22	.00	0	0.	0
23	2.62	67	.00	0	0.	0
24	.86	22	T	T	0.	0
25	2.51	64	.00	0	0.	0
26	.65	17	.00	0	0.	0
27	1.28	33	.00	0	0.	0
28	.98	25	.00	0	0.	0
29	1.47	37	.00	0	0.	0
30	4.78	121	.00	0	0.	0
31	2.70	69	.00	0	0.	0
MONTH	4.78	121	T	T	0.	0

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : AUG

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	2.13	54	0.00	0	0.	0
2	1.74	44	0.00	0	0.	0
3	1.00	25	0.00	0	0.	0
4	6.31	160	0.00	0	0.	0
5	1.39	35	0.00	0	0.	0
6	1.00	25	0.00	0	0.	0
7	2.07	53	0.00	0	0.	0
8	3.42	87	0.00	0	0.	0
9	1.65	42	0.00	0	0.	0
10	2.52	64	0.00	0	0.	0
11	1.21	31	0.00	0	0.	0
12	2.25	57	0.00	0	0.	0
13	1.28	33	0.00	0	0.	0
14	1.29	33	0.00	0	0.	0
15	4.23	107	0.00	0	0.	0
16	1.54	39	0.00	0	0.	0
17	.52	13	0.00	0	0.	0
18	2.85	72	0.00	0	0.	0
19	3.28	83	0.00	0	0.	0
20	1.22	31	0.00	0	0.	0
21	1.16	29	0.00	0	0.	0
22	.57	14	0.00	0	0.	0
23	2.06	52	0.00	0	0.	0
24	.67	17	0.00	0	0.	0
25	1.14	29	0.00	0	0.	0
26	1.50	38	0.00	0	0.	0
27	.86	22	0.00	0	0.	0
28	2.64	67	0.00	0	0.	0
29	1.88	48	0.00	0	0.	0
30	3.37	86	0.00	0	0.	0
31	2.60	66	0.00	0	0.	0
MONTH	6.31	160	0.00	0	0.	0

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).
THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : SEP

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	2.15	55	.00	0	0.	0
2	.55	14	.00	0	0.	0
3	3.04	77	.00	0	0.	0
4	2.00	51	.00	0	0.	0
5	.22	6	.00	0	0.	0
6	1.39	35	.00	0	0.	0
7	1.73	44	.00	0	0.	0
8	.46	12	.00	0	0.	0
9	1.73	44	.00	0	0.	0
10	1.26	32	.00	0	0.	0
11	4.37	111	.00	0	0.	0
12	2.22	56	.00	0	0.	0
13	1.04	26	.00	0	0.	0
14	.82	21	.00	0	0.	0
15	1.05	27	.00	0	0.	0
16	1.46	37	.00	0	0.	0
17	.83	21	.00	0	0.	0
18	.75	19	.00	0	0.	0
19	2.86	73	.00	0	0.	0
20	1.87	47	.00	0	0.	0
21	4.71	120	.00	0	0.	0
22	2.05	52	.00	0	0.	0
23	1.78	45	.00	0	0.	0
24	1.71	43	.00	0	0.	0
25	1.64	42	.00	0	0.	0
26	.76	19	.00	0	0.	0
27	2.02	51	.00	0	0.	0
28	.69	18	.00	0	0.	0
29	2.43	62	.00	0	0.	0
30	.33	8	.00	0	0.	0
31						
MONTH	4.71	120	.00	0	0.	0

NOTES :
T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : OCT

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.37	35	1984	T	1981	T
2	.88	22	1983	.00	0	1986
3	1.86	47	1979	.00	0	1986
4	.49	12	1978	.00	0	1986
5	5.39	137	1962	.00	0	1986
6	2.44	62	1962	.00	0	1986
7	2.54	65	1956	.00	0	1986
8	.42	11	1965	.00	0	1986
9	3.18	81	1976	.00	0	1986
10	2.04	52	1971	2.50	64	1979
11	.80	20	1951	.00	0	1986
12	1.17	30	1983	.00	0	1986
13	.23	6	1985	.00	0	1986
14	1.03	26	1978	.00	0	1986
15	1.71	43	1955	T	1961	0
16	2.17	55	1974	.00	0	1986
17	.72	18	1964	T	1970	0
18	1.04	26	1975	T	1972	0
19	1.52	39	1966	.70	18	1972
20	1.88	48	1976	.00	0	1986
21	.40	10	1969	.00	0	1986
22	.87	22	1984	.00	0	1986
23	3.12	79	1970	.00	0	1986
24	1.22	31	1960	T	1960	0
25	1.72	44	1953	T	1962	0
26	1.48	38	1949	1.60	41	1962
27	.58	15	1967	T	1957	1.
28	1.05	27	1953	.00	0	1986
29	1.70	43	1954	T	1963	0
30	1.19	30	1973	T	1975	0
31	1.19	30	1962	.00	0	1986
MONTH	5.39	137	1962	2.50	64	1979
					1.	25

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
 + = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

 LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
 PERIOD OF RECORD : 1949-1986

MONTH : NOV

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.70	43	T	T	0.	0
2	2.31	59	T	T	0.	0
3	1.87	47	T	T	0.	0
4	2.29	58	.00	0	0.	0
5	2.51	64	T	T	0.	0
6	1.08	27	T	T	0.	0
7	1.96	50	T	T	0.	0
8	1.94	49	T	T	0.	0
9	1.30	33	T	T	0.	0
10	1.80	46	T	T	0.	0
11	.91	23	.20	5	0.	0
12	1.24	31	T	T	0.	0
13	2.20	56	.10	3	T	T
14	1.99	51	T	T	0.	0
15	.71	18	.80	20	T	T
16	2.48	63	T	T	1.	25
17	.80	20	2.50	64	T	T
18	1.15	29	1.70	43	4.	102
19	.49	12	4.20	107	4.	102
20	1.72	44	1.70	43	4.	102
21	2.10	53	.90	23	1.	25
22	1.23	31	T	T	T	T
23	3.38	86	.20	5	T	T
24	1.22	31	1.20	30	0.	0
25	3.52	89	T	T	1.	25
26	1.18	30	1.80	46	T	T
27	.99	25	2.10	53	2.	51
28	1.00	25	1.30	33	1.	25
29	2.91	74	T	T	T	T
30	.63	16	T	T	T	T
31						
MONTH	3.52	89	4.20	107	4.	102

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

21 - DAILY EXTREME AMOUNTS

014765 PROVIDENCE, RI

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986

MONTH : DEC

DAY	PRECIPITATION		SNOWFALL		SNOW DEPTH	
	INCHES	MM	INCHES	MM	INCHES	MM
1	1.11	28 1977	.20	5 1964	T	T
2	1.73	44 1981	2.20	56 1963	T	T
3	3.28	83 1986	3.30	84 1963	4.	102 1963
4	2.22	56 1968	.40	10 1972	2.	51 1963
5	1.38	35 1952	5.10	130 1981	1.	25 1963
6	1.60	41 1972	6.90	175 1981	9.	229 1981
7	1.43	36 1976	1.30	33 1949	12.	305 1981
8	1.40	36 1969	.30	8 1969	10.	254 1981
9	1.55	39 1978	2.30	58 1958	7.	178 1981
10	1.73	44 1957	.20	5 1962	6.	152 1981
11	1.00	25 1967	4.90	124 1986	5.	127 1981
12	1.78	45 1959	10.60	269 1960	5.	127 1986
13	1.34	34 1983	2.10	53 1977	10.	254 1960
14	1.72	44 1954	3.00	76 1969	10.	254 1960
15	1.58	40 1981	2.30	58 1958	9.	229 1960
16	1.42	36 1960	1.90	48 1962	6.	152 1970
17	2.77	70 1973	4.00	102 1961	7.	178 1970
18	1.46	37 1954	3.90	99 1963	4.	102 1970
19	1.09	28 1986	2.20	56 1969	6.	152 1969
20	.36	9 1976+	4.90	124 1964	5.	127 1969
21	1.88	48 1977	6.80	173 1954	5.	127 1969
22	2.42	61 1969	3.30	84 1962	7.	178 1954
23	.71	18 1968	5.90	150 1967	6.	152 1954
24	1.11	28 1966	3.60	91 1961	7.	178 1963
25	1.68	43 1978	2.00	51 1974	6.	152 1963
26	3.47	88 1969	6.10	155 1969	5.	127 1969
27	1.70	43 1964	3.00	76 1963	4.	102 1966
28	2.23	57 1967	4.80	122 1967	7.	178 1963
29	1.35	34 1950	5.80	147 1976	7.	178 1963
30	.99	25 1954	3.20	81 1971	7.	178 1976
31	.61	15 1972	3.90	99 1967	6.	152 1963
MONTH	3.47	88 1969	10.60	269 1960	12.	305 1981

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

23 - EXTREME VALUES

PRECIPITATION (INCHES)
(FROM DAILY OBS)014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	.91	.78	.61	2.01	.75	.04	.52	PART 1.02	2.05	1.48	.72	.34	PART
1950	.56	.97	1.57	.81	.59	.55	.51	1.02	.89	1.84	2.10	1.35	2.10
1951	1.68	.92	1.88	1.79	1.23	1.31	.30	.52	.73	.85	1.96	1.47	1.96
1952	.77	1.46	1.64	1.84	1.60	.53	.23	2.12	1.46	.72	1.23	1.38	2.12
1953	2.06	2.31	2.13	1.47	1.28	.35	2.62	1.74	1.67	1.72	3.38	1.58	3.38
1954	.58	.65	1.24	2.33	2.56	.46	.88	2.60	4.37	1.70	1.04	1.72	4.37
1955	.39	1.98	2.12	1.07	.63	1.34	1.74	3.28	1.59	1.79	2.29	.33	3.28
1956	1.05	.86	.88	.97	.49	.92	1.47	.51	.74	2.54	1.02	1.47	2.54
1957	.87	.50	1.06	1.92	.38	.23	.38	1.24	.39	.89	.71	1.73	1.92
1958	1.28	1.28	2.16	2.16	.80	1.69	2.70	1.28	1.65	1.27	1.00	.68	2.70
1959	.95	1.44	1.58	.90	.54	1.19	1.75	1.88	.44	1.14	1.22	1.78	1.88
1960	1.08	1.80	.82	1.22	1.35	.33	2.21	.41	2.22	1.22	1.70	1.42	2.22
1961	1.89	2.50	1.08	2.12	1.67	.81	.89	1.16	4.71	.84	1.29	1.11	4.71
1962	2.46	1.03	1.61	2.14	1.15	1.99	1.31	1.30	2.02	PART	1.46	.72	PART
1963	1.05	1.42	1.51	1.07	1.44	1.51	1.29	.63	1.47	1.46	2.91	.76	2.91
1964	1.24	.88	.86	1.56	.38	1.69	1.12	.75	1.42	.72	1.14	1.70	1.70
1965	.84	2.11	.52	.79	.39	1.11	1.00	.83	.78	.88	.84	.61	2.11
1966	.89	2.59	.60	.55	1.37	1.61	1.21	2.06	2.00	1.52	1.83	1.11	2.59
1967	.88	.68	2.07	1.13	3.73	.93	1.32	1.00	2.43	.74	.74	2.23	3.73
1968	1.20	.54	2.78	.68	1.53	.88	.38	.47	.85	.72	1.54	2.22	2.78
1969	1.16	1.81	1.68	1.51	1.16	.48	1.06	1.13	1.73	.97	1.30	3.47	3.47
1970	.15	2.17	.80	2.82	1.37	1.22	.67	2.64	.72	3.12	2.31	2.21	3.12
1971	.62	1.47	1.02	.64	1.08	1.54	2.45	1.22	.75	2.04	1.69	.80	2.45
1972	.48	1.95	1.73	.86	1.26	2.00	2.51	.86	3.04	2.06	1.99	1.60	3.04
1973	.82	2.16	.90	2.13	1.13	1.55	1.11	4.23	.75	1.19	.75	2.77	4.23
1974	.73	.96	2.02	1.39	.71	1.31	.94	2.16	1.73	2.17	.74	1.22	2.17
1975	1.39	1.24	.61	1.66	.72	1.28	1.54	.97	1.78	1.15	2.20	2.25	2.25
1976	1.10	1.08	.98	.94	1.06	.75	4.78	3.42	.60	3.18	.38	1.43	4.78
1977	2.20	.66	1.59	1.52	1.91	1.65	1.47	.57	1.26	2.18	1.82	1.88	2.20
1978	1.88	1.98	1.25	1.61	1.08	.95	1.65	2.07	.60	1.03	.65	1.68	2.07
1979	2.50	2.18	1.00	1.94	2.92	.54	.77	6.31	1.39	1.86	1.87	.72	6.31
1980	.51	.73	1.87	2.23	.73	1.38	1.47	.61	.71	1.55	1.15	.40	2.23
1981	.22	.96	.13	1.06	.65	1.03	1.35	1.54	.54	.70	1.74	1.73	1.74
1982	2.90	1.51	.88	1.23	.53	2.97	1.51	1.62	2.15	2.07	1.50	.80	2.97
1983	1.56	1.75	1.59	4.30	1.95	.80	.73	.70	1.13	1.17	3.52	1.97	4.30
1984	.50	2.21	1.25	1.72	5.15	1.01	1.35	.25	.54	1.37	.51	.95	5.15
1985	.26	.85	1.62	.55	1.62	1.48	.87	3.37	.51	.95	2.51	.33	3.37
1986	1.75	.77	1.10	.58	1.10	1.20	1.50	.75	.68	.90	1.52	3.28	3.28

MEAN 1.14 1.40 1.31 1.51 1.32 1.12 1.36 1.60 1.43 1.43 1.45 1.54 1.45 3.00

S.D. .675 .622 .554 .747 .954 .582 .854 1.256 .988 .648 .744 .764 1.094

TOT OBS 38 38 38 38 38 38 38 37 38 37 38 36 36

NOTE : T = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

23 - EXTREME VALUES

PRECIPITATION (INCHES)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL PRECIP # DAYS
1949								.92					30
1962										5.39			PRECIP # DAYS

24 - EXTREME VALUES

SNOWFALL (INCHES)
(FROM DAILY OBS)014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	4.3	5.9	6.9	T	.0	.0	.0	PART	.0	.0	2.1	1.3	PART
1950	1.5	6.5	2.3	.4	.0	.0	.0	.0	.0	.0	T	2.6	6.5
1951	3.9	4.2	1.4	T	.0	.0	.0	.0	.0	.0	T	2.5	4.2
1952	2.4	5.9	2.5	.0	.0	.0	.0	.0	.0	T	T	2.2	5.9
1953	4.5	4.3	T	2.1	.1	.0	.0	.0	.0	.0	T	.2	4.5
1954	5.2	.2	T	.6	.0	.0	.0	.0	.0	.0	.0	6.8	6.8
1955	.7	3.7	1.7	T	.0	T	T	.0	.0	.0	.0	.8	3.7
1956	9.6	2.4	14.7	1.2	.0	.0	.0	.0	.0	.0	T	2.0	14.7
1957	3.5	2.7	6.0	1.7	.0	.0	.0	.0	.0	T	.2	.3	6.0
1958	3.8	9.1	5.9	3.7	.0	.0	.0	.0	.0	.0	T	2.3	9.1
1959	1.3	2.8	6.2	T	.0	.0	.0	.0	.0	.0	T	2.0	6.2
1960	3.2	1.0	9.0	T	.0	.0	.0	.0	.0	T	T	10.6	10.6
1961	8.2	18.3	4.7	.3	.0	.0	.0	.0	.0	T	1.7	4.0	18.3
1962	3.9	11.3	T	.3	.0	.0	.0	.0	.0	PART	1.7	3.3	PART
1963	3.0	4.0	4.4	T	.0	.0	.0	.0	.0	T	T	3.9	4.4
1964	10.3	6.1	2.2	T	.0	.0	.0	.0	.0	.0	T	4.5	10.3
1965	8.0	1.2	3.1	T	.0	.0	.0	.0	.0	.0	T	.7	8.0
1966	5.2	5.7	4.7	T	.0	.0	.0	.0	.0	.0	T	2.7	5.7
1967	.8	7.3	9.2	1.6	.0	.0	.0	.0	.0	.0	.8	5.9	9.2
1968	5.7	2.7	3.3	.0	.0	.0	.0	.0	.0	.0	.1	1.4	5.7
1969	.5	18.2	3.7	.0	.0	.0	.0	.0	.0	.0	T	6.1	14.2
1970	2.5	3.3	7.8	1.1	.0	.0	.0	.0	.0	T	.0	6.8	7.8
1971	6.5	2.0	3.2	1.3	.0	.0	.0	.0	.0	.0	T	3.2	6.5
1972	1.2	3.3	3.4	.3	.0	.0	.0	.0	.0	.7	.3	1.8	3.4
1973	2.0	1.3	.6	.4	.0	.0	.0	.0	.0	.0	T	T	2.0
1974	5.8	4.1	.4	1.3	.0	.0	.0	.0	.0	.0	.3	2.0	5.8
1975	1.7	7.8	.9	.2	.0	.0	.0	.0	.0	T	1.2	2.9	7.8
1976	6.6	2.5	6.0	.0	.0	.0	.0	.0	.0	.0	T	5.8	6.6
1977	8.0	7.6	4.1	T	6.7	.0	.0	.0	.0	.0	1.3	2.1	8.0
1978	10.4	18.0	8.7	T	.0	.0	.0	.0	.0	.0	1.2	1.1	18.0
1979	3.2	3.2	T	.8	.0	.0	.0	.0	.0	2.5	.0	T	3.2
1980	.6	3.1	2.0	.0	.0	.0	.0	.0	.0	.0	2.5	1.5	3.1
1981	3.4	.6	.2	.0	.0	.0	.0	.0	.0	T	T	6.9	6.9
1982	5.5	2.0	3.3	7.3	PART	.0	.0	.0	.0	.0	.0	4.0	PART
1983	3.6	11.2	T	T	.0	.0	.0	.0	.0	.0	T	1.8	11.2
1984	6.1	T	5.5	T	.0	.0	.0	.0	.0	.0	T	2.0	6.1
1985	3.7	6.5	.5	T	.0	.0	.0	.0	.0	.0	1.8	1.2	6.5
1986	.5	4.3	.3	T	.0	.0	.0	.0	.0	.0	4.2	4.9	4.9
MEAN	4.2	5.3	3.7	.6	.2	.0	.0	.0	.0	.1	.6	3.0	7.5
S.O.	2.773	4.430	3.323	1.361	1.101	.000	.000	.000	.000	.424	1.048	2.354	3.907
TOT OBS	38	38	38	38	37	38	38	37	38	37	38	38	35

NOTE : T = TRACE AMOUNTS (LESS THAN .01. .1. OR 1.0 INCHES)

24 - EXTREME VALUES

SNOWFALL (INCHES)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949								0.0					SNOWFALL # DAYS
								30					
1962										1.6			SNOWFALL # DAYS
										30			
1982					0.0								SNOWFALL # DAYS
					30								

25 - EXTREME VALUES

SNOW DEPTH (INCHES)
(FROM DAILY OBS)014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	3.	4.	8.	0.	0.	0.	0.	PART	0.	0.	2.	1.	PART
1950	1.	6.	2.	0.	0.	0.	PART	0.	0.	0.	0.	3.	PART
1951	2.	8.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	8.
1952	3.	7.	5.	0.	0.	0.	0.	0.	0.	0.	0.	1.	7.
1953	4.	3.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	4.
1954	11.	Y	0.	1.	0.	0.	0.	0.	0.	0.	0.	7.	11.
1955	7	5.	1.	0.	0.	0.	0.	0.	0.	0.	3.	1.	5.
1956	10.	2.	20.	1.	0.	0.	0.	0.	0.	0.	0.	2.	20.
1957	5.	5.	6.	1.	0.	0.	0.	0.	0.	0.	Y	Y	6.
1958	3.	9.	5.	Y	0.	0.	0.	0.	0.	0.	Y	4.	9.
1959	1.	4.	6.	0.	0.	0.	0.	0.	0.	0.	0.	3.	6.
1960	5.	1.	18.	0.	0.	0.	0.	0.	0.	0.	0.	10.	18.
1961	14.	30.	5.	Y	0.	0.	0.	0.	0.	0.	1.	4.	30.
1962	6.	18.	8.	Y	0.	0.	0.	0.	PART	0.	4.	3.	PART
1963	4.	3.	4.	Y	0.	0.	0.	0.	0.	0.	0.	7.	7.
1964	11.	8.	2.	0.	0.	0.	0.	0.	0.	0.	0.	4.	11.
1965	10.	7.	3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	10.
1966	8.	7.	7.	0.	0.	0.	0.	0.	0.	0.	0.	5.	8.
1967	Y	8.	10.	1.	0.	0.	0.	0.	0.	0.	1.	6.	10.
1968	9.	2.	3.	0.	0.	0.	0.	0.	0.	0.	Y	2.	9.
1969	Y	15.	14.	Y	0.	0.	0.	0.	0.	0.	0.	6.	15.
1970	5.	3.	8.	10.	0.	0.	0.	0.	0.	0.	0.	9.	10.
1971	9.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	1.	9.
1972	1.	3.	4.	Y	0.	0.	0.	0.	0.	Y	Y	1.	4.
1973	2.	1.	Y	0.	0.	0.	0.	0.	0.	0.	0.	Y	2.
1974	10.	5.	Y	1.	0.	0.	0.	0.	0.	0.	Y	2.	10.
1975	1.	10.	1.	Y	0.	0.	0.	0.	0.	0.	1.	5.	10.
1976	8.	3.	8.	0.	0.	0.	0.	0.	0.	0.	0.	7.	8.
1977	9.	8.	4.	0.	2.	0.	0.	0.	0.	0.	1.	4.	9.
1978	14.	27.	11.	0.	0.	0.	0.	0.	0.	0.	1.	1.	27.
1979	4.	4.	0.	Y	0.	0.	0.	0.	0.	1.	0.	Y	4.
1980	1.	3.	3.	0.	0.	0.	0.	0.	0.	0.	4.	2.	4.
1981	5.	1.	Y	0.	0.	0.	0.	0.	0.	Y	0.	12.	12.
1982	9.	2.	2.	5.	0.	0.	0.	0.	0.	0.	0.	4.	9.
1983	4.	13.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	13.
1984	9.	2.	5.	1.	0.	0.	0.	0.	0.	0.	0.	2.	9.
1985	5.	8.	Y	0.	0.	0.	0.	0.	0.	0.	Y	1.	8.
1986	Y	4.	Y	0.	0.	0.	0.	0.	0.	0.	4.	5.	5.

MEAN	5.4	6.6	4.6	6	.1	.0	.0	.0	.0	.0	.5	3.4	9.9
S.D.	4.078	6.553	4.940	1.794	.324	.000	.000	.000	.000	.164	1.084	2.963	5.997
TOT OBS	38	38	38	38	38	37	37	37	38	37	38	38	35

NOTE : Y = TRACE AMOUNTS (LESS THAN .01, .1, OR 1.0 INCHES)

25 - EXTREME VALUES

SNOW DEPTH (INCHES)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949								0.					SNOW DEPTH # DAYS
								30					
1950							0.						SNOW DEPTH # DAYS
							30						
1962										1.			SNOW DEPTH # DAYS
										30			

27 - EXTREME VALUES

DAILY PEAK GUST (KNOTS)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986
LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1953	MISS	MISS	MISS	MISS	MISS	SW 34	WNW 30	NW 31	SSE 30	NNE 34	E 47	SSW 59	MISS
1954	SSW 36	WNW 35	SSE 47	SSW 45	W 34	SW 33	SSW 33	ESE 91	NW 69	SE 51	WSW 44	SE 43	ESE 91
1955	NW 44	S 54	WSW 52	NNE 38	WSW 31	NW 46	N 32	ESE 40	S 35	E 47	WSW 45	NW 35	S 54
1956	W 43	W 46	NE 54	S 50	SSW 46	SSW 34	SSE 30	WNW 30	SW 63	NNE 36	S 55	WNW 45	SW 63
1957	S 53	S 44	NW 39	SSW 41	NW 37	SSW 45	SW 34	SW 30	S 31	S 37	S 59	SE 52	S 59
1958	WNW 43	W 41	NE 62	SW 43	SW 47	SSW 40	SSW 29	SW 46	SW 42	SSW 39	SE 62	SSW 40	NE 62
1959	SSW 55	WNW 45	S 61	SSE 42	NW 33	W 31	WNW 27	SSW 28	SW 38	SSE 42	S 41	S 48	S 61
1960	S 54	E 44	N 44	PART	SSW 26	NW 33	SSE 42	SSW 26	S 70	SSE 40	WNW 39	N 51	PART
1961	N 43	NNE 44	SSW 33	SW 41	SSW 40	SSW 34	NW 33	S 34	S 46	NNE 34	WNW 41	WNW 40	S 46
1962	S 45	N 34	NNE 48	W 46	NW 39	SW 31	W 30	WNW 36	NNE 33	PART	ESE 39	NW 57	PART
1963	WNW 44	WNW 38	SW 48	WNW 52	SSW 44	WSW 32	NW 31	WNW 32	NNE 33	N 39	S 59	WNW 34	S 59
1964	SW 49	WNW 42	SSW 49	WSW 38	WNW 38	NW 31	WNW 47	WSW 31	SSW 34	WNW 40	SE 48	NW 45	SW 49
1965	WNW 38	WNW 44	WNW 30	S 31	SW 39	NW 31	SSW 26	NW 28	S 35	SSW 38	W 37	WNW 36	WNW 44
1966	WNW 47	S 41	WNW 44	PART	SW 37	W 33	NW 43	SSW 30	W 34	W 41	SE 40	W 45	PART
1967	SSW 41	SW 59	NW 34	NNE 51	NNE 46	N 47	W 29	SW 32	SE 36	SE 44	WNW 48	WNW 39	SW 59
1968	WNW 40	WNW 46	SW 43	SW 41	ESE 44	WNW 34	WSW 28	SW 30	SW 36	WNW 31	N 44	WNW 46	WNW 46
1969	WNW 53	N 49	NE 44	SW 38	SW 42	SW 29	SW 27	NW 36	NW 35	NW 40	WSW 35	SSE 39	WNW 53
1970	WNW 36	S 55	NW 38	S 53	WSW 34	SW 32	N 33	N 34	WNW 43	WNW 30	WNW 33	WSW 44	S 55
1971	E 47	SW 43	WNW 53	NE 45	WNW 35	WNW 36	SW 33	SSE 33	WSW 34	WNW 30	WNW 41	WNW 44	WNW 53
1972	NW 50	S 54	SW 39	N 35	S 36	S 33	N 42	NE 27	N 45	SW 37	S 43	NW 42	S 54
1973	N 39	S 41	NE 43	NW 36	SW 35	NW 31	SW 32	NW 27	SW 36	W 32	W 40	S 44	S 44
1974	PART	W 46	SW 48	SW 36	NW 42	NE 29	NW 45	SW 39	S 30	SW 27	NW 35	E 39	PART
1975	SW 43	SW 52	SE 39	SE 44	NE 33	NE 29	SW 31	N 27	SW 31	SE 36	S 42	SE 39	SW 52
1976	SW 53	NW 55	SW 48	SW 38	SW 39	SW 30	SW 27	S 52	SW 27	SW 43	NW 34	NW 50	NW 55
1977	SE 54	W 35	NW 50	NW 44	PART	N 44	SW 38	W 27	SW 35	SE 37	W 36	NW 40	PART
1978	S 63	NE 58	W 40	W 42	S 34	SW 36	SW 30	SE 27	N 36	N 33	S 34	NW 43	S 63
1979	NW 42	W 44	W 41	S 40	NW 30	NW 38	S 25	W 37	S 43	SW 36	SW 37	NW 46	NW 46
1980	S 54	N 35	E 47	S 35	NW 32	NW 32	NW 36	SW 40	N 31	SE 44	SE 40	NW 40	S 54
1981	NW 34	S 48	NW 38	SW 39	NE 39	PART	NW 27	PART	NW 28	PART	NE 32	NW 40	PART
1982	S 47	SW 43	SW 49	NW 47	NW 40	NE 39	NW 26	SE 29	SW 25	N 27	S 46	N 41	SW 49
1983	SE 46	SE 41	SE 39	SE 40	S 36	S 36	N 41	NW 31	S 30	SW 36	S 39	S 52	S 52
1984	NW 34	N 33	NE 45	SE 47	S 35	NW 36	SW 37	SW 24	NW 32	VAR 33	W 35	NW 33	SE 47
1985	NW 33	SE 46	NW 40	SW 45	NW 33	S 40	SW 33	N 28	S 70	SW 43	SW 39	W 42	S 70
1986	SW 43	N 30	SW 52	NE 40	N 40	NW 38	NW 28	NW 35	NW 38	W 42	SW 40	NE 39	SW 52

MEAN 45.2 44.4 44.9 42.0 37.4 35.1 32.8 34.8 38.6 37.5 42.0 43.3 55.3
S.D. 7.222 7.327 7.283 5.313 4.982 4.981 5.902 12.265 11.952 5.605 7.538 6.048 9.686
TOT OBS 32 33 33 31 32 33 34 33 34 32 34 34 27

27 - EXTREME VALUES

DAILY PEAK GUST (KNOTS)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1960	\	\	\	WSW 40\	\	\	\	\	\	\	\	\	PEAK GUST # DAYS
				28									
1962	\	\	\	\	\	\	\	\	SSW 37\	\	\	\	PEAK GUST # DAYS
									30				
1966	\	\	\	WNW 34\	\	\	\	\	\	\	\	\	PEAK GUST # DAYS
				29									
1974	NW 42\	\	\	\	\	\	\	\	\	\	\	\	PEAK GUST # DAYS
	29												
1977	\	\	\	\	N 40\	\	\	\	\	\	\	\	PEAK GUST # DAYS
					29								
1981	\	\	\	\	NW 38\	\	W 33\	\	S 29\	\	\	\	PEAK GUST # DAYS
					28		30		21				

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JAN

MEAN TEMPERATURE			MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
AVERAGE			AVERAGE			AVERAGE		
DEG F DEG C			DEG F DEG C			DEG F DEG C		
DAY	DEG F	DEG C	DAY	DEG F	DEG C	DAY	DEG F	DEG C
1	30.9	-0.6	38.9	3.9	17.8	1973.	22.9	-5.0
2	30.1	-1.1	37.6	3.1	59.0	15.0	1979.	-1.0
3	30.7	-0.7	38.3	3.5	56.0	13.3	1960.	-4.9
4	30.2	-1.0	37.3	3.0	61.0	16.1	1950.	-5.0
5	28.7	-1.8	36.7	2.6	61.0	16.1	1950.	-12.0
6	28.8	-1.8	36.8	2.7	57.0	13.9	1949.	-6.3
7	30.1	-1.0	37.7	3.2	54.0	12.2	1979.	1.0
8	27.1	-2.7	35.0	1.7	56.0	13.3	1949.	-4.0
9	25.3	-3.7	33.4	.8	58.0	14.4	1965.	-8.0
10	27.6	-2.4	35.4	1.9	57.0	13.9	1972.	-3.0
11	26.3	-3.2	34.3	1.3	61.0	16.1	1975.	-4.0
12	24.7	-4.0	33.3	.7	59.0	15.0	1975.	-8.0
13	26.1	-3.3	34.5	1.4	57.0	13.9	1972.	-8.0
14	27.7	-2.4	36.9	2.7	61.0	16.1	1950.	.0
15	27.7	-2.4	35.1	1.7	55.0	12.8	1962.	-4.0
16	26.3	-3.1	34.6	1.4	58.0	14.4	1953.	-9.0
17	24.9	-4.0	33.8	1.0	55.0	12.8	1973.+	-22.8
18	25.1	-3.8	34.6	1.4	62.0	16.7	1973.	-8.0
19	27.2	-2.7	35.6	2.0	62.0	16.7	1951.	-9.0
20	28.1	-2.2	36.7	2.6	55.0	12.8	1963.+	-4.0
21	27.8	-2.3	36.4	2.5	55.0	12.8	1979.+	-5.0
22	29.0	-1.6	38.5	3.6	60.0	15.6	1959.	-2.0
23	31.0	-0.6	40.4	4.7	62.0	16.7	1974.	-10.0
24	30.7	-0.7	38.7	3.7	65.0	18.3	1967.	-2.0
25	31.5	-0.3	39.4	4.1	55.0	12.8	1972.	-18.9
26	31.6	-0.2	39.4	4.1	63.0	17.2	1950.	-16.7
27	31.4	-0.3	39.3	4.1	66.0	18.9	1974.	2.0
28	27.3	-2.6	35.3	1.8	55.0	12.8	1976.+	-15.0
29	26.9	-2.8	34.6	1.4	57.0	13.9	1950.	5.0
30	27.1	-2.7	35.4	1.9	56.0	13.3	1974.	1.0
31	25.6	-3.6	33.9	1.1	57.0	13.9	1974.	6.0
MONTH	28.2	-2.1	36.4	2.4	66.0	18.9	1974.	-2.0
					20.0	-6.7	-13.0	-25.0

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PONTA : FEB

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE				
AVERAGE		AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
DAY	DEG F	DEG C	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	
1	26.7	-2.9	35.1	1.7	57.0	13.9	1951.	18.4	-7.6	-1.0	-18.3	1971.+
2	28.3	-2.1	36.7	2.6	57.0	13.9	1973.	19.9	-6.7	-6.0	-21.1	1961.
3	27.6	-2.5	36.3	2.4	58.0	14.4	1982.	18.8	-7.4	-3.0	-19.4	1955.
4	28.2	-2.1	36.6	2.5	56.0	13.3	1982.	19.8	-6.8	1.0	-17.2	1978.
5	28.0	-2.2	35.4	1.9	57.0	13.9	1962.	20.5	-6.4	.0	-17.8	1978.+
6	28.3	-2.1	36.8	2.6	50.0	10.0	1960.	19.8	-6.8	2.0	-13.3	1981.
7	28.5	-2.0	35.5	2.0	52.0	11.1	1953.	21.4	-5.9	4.0	-15.6	1976.
8	27.1	-2.7	35.6	2.0	55.0	12.8	1965.	18.5	-7.5	.0	-17.8	1963.
9	27.6	-2.5	36.5	2.5	57.0	13.9	1949.	18.6	-7.4	2.0	-16.7	1967.
10	27.6	-2.4	35.5	2.0	52.0	11.1	1955.	19.7	-6.8	-3.0	-19.4	1979.
11	28.9	-1.7	37.3	3.0	62.0	16.7	1981.	20.4	-6.4	-6.0	-21.1	1979.
12	27.3	-2.6	36.6	2.6	57.0	13.9	1984.	18.0	-7.8	-7.0	-21.7	1979.
13	28.0	-2.2	36.6	2.6	64.0	17.8	1951.	19.4	-7.0	-5.0	-20.6	1967.
14	28.7	-1.8	37.7	3.2	57.0	13.9	1949.	19.7	-6.9	-7.0	-21.7	1979.
15	31.4	-.3	40.1	4.5	63.0	17.2	1949.	22.7	-5.2	4.0	-15.6	1979.
16	30.0	-1.1	38.6	3.7	59.0	15.0	1954.	21.5	-5.8	3.0	-16.1	1979.
17	29.2	-1.5	36.6	2.5	66.0	18.9	1981.	21.9	-5.6	-4.0	-20.0	1979.
18	30.7	-.7	37.9	3.3	72.0	22.2	1981.	23.5	-4.7	-6.0	-21.1	1979.
19	33.1	.6	41.8	5.4	60.0	15.6	1981.+	24.4	-4.2	5.0	-15.0	1958.
20	31.9	.0	39.8	4.4	56.0	13.3	1981.	24.0	-4.4	-1.0	-18.3	1950.
21	31.3	-.4	39.8	4.3	60.0	15.6	1981.	22.9	-5.1	-3.0	-19.4	1950.
22	32.5	.3	41.0	5.0	59.0	15.0	1974.	24.0	-4.4	3.0	-16.1	1968.
23	32.1	.1	39.9	4.4	56.0	13.3	1984.	24.3	-4.3	.0	-17.8	1972.
24	33.5	.8	41.6	5.4	72.0	22.2	1985.	25.3	-3.7	10.0	-12.2	1968.+
25	35.1	1.7	43.0	6.1	69.0	20.6	1976.	27.2	-2.7	8.0	-13.3	1959.
26	33.3	.7	40.8	4.9	65.0	18.3	1957.	25.8	-3.4	5.0	-15.0	1970.
27	32.6	.4	41.2	5.1	64.0	17.8	1976.	24.1	-4.4	2.0	-16.7	1950.
28	33.4	.8	41.7	5.4	66.0	18.9	1976.	25.2	-3.8	6.0	-14.4	1950.
MONTH	30.0	-1.1	38.3	3.5	72.0	22.2	1985.+	21.8	-5.7	-7.0	-21.7	1979.+

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAR

MEAN TEMPERATURE			MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
AVERAGE			EXTREME			AVERAGE		
DAY	DEG F	DEG C	DEG F	DEG C	DATE	DEG F	DEG C	DATE
1	33.4	.8	41.5	5.3	1972.	25.3	-3.7	4.0 -15.6 1980.
2	34.1	1.2	41.6	5.3	1972.	26.6	-3.0	8.0 -13.3 1962.
3	33.4	.8	41.4	5.2	1972.	25.4	-3.6	5.0 -15.0 1950.
4	34.0	1.1	42.4	5.8	1974.	25.5	-3.6	1.0 -17.2 1950.
5	37.1	2.8	44.8	7.1	1979.	29.4	-1.5	9.0 -12.8 1978.
6	36.0	2.2	43.2	6.2	1974.	28.7	-1.8	13.0 -10.6 1978.
7	35.2	1.8	42.8	6.0	1974.	27.6	-2.5	12.0 -11.1 1950.
8	34.0	1.1	41.7	5.4	1973.	26.2	-3.2	7.0 -13.9 1986.
9	33.6	.9	42.4	5.8	1977.	24.9	-3.9	10.0 -12.2 1984.+
10	34.4	1.3	42.9	6.1	1977.	25.8	-3.4	6.0 -14.4 1984.
11	36.0	2.2	45.2	7.4	1977.	26.7	-2.9	8.0 -13.3 1960.
12	36.6	2.5	44.1	6.7	1973.	29.1	-1.6	10.0 -12.2 1984.
13	36.8	2.6	43.7	6.5	1957.	29.8	-1.2	13.0 -10.6 1980.
14	38.0	3.4	45.1	7.3	1953.	31.0	-.6	20.0 -6.7 1968.
15	37.4	3.0	45.2	7.4	1986.+	29.6	-1.4	16.0 -8.9 1979.
16	37.2	2.9	45.7	7.6	1973.	28.6	-1.9	14.0 -10.0 1979.
17	36.1	2.3	44.0	6.7	1980.	28.2	-2.1	13.0 -10.6 1967.
18	34.9	1.6	42.7	6.0	1966.	27.0	-2.8	3.0 -16.1 1967.
19	36.5	2.5	44.8	7.1	1986.	28.3	-2.1	1.0 -17.2 1967.
20	38.8	3.8	47.6	8.6	1959.	30.0	-1.1	8.0 -13.3 1949.
21	38.5	3.6	46.6	8.1	1959.	30.4	-.9	12.0 -11.1 1986.
22	38.4	3.5	47.0	8.3	1979.	29.7	-1.3	15.0 -9.4 1956.
23	40.2	4.6	49.4	9.7	1979.	31.1	-.5	16.0 -8.9 1959.
24	40.1	4.5	49.2	9.6	1976.	30.9	-.6	20.0 -6.7 1956.
25	39.9	4.4	49.1	9.5	1964.	30.7	-.7	13.0 -10.6 1956.
26	41.3	5.2	50.2	10.1	1986.+	32.4	.2	10.0 -12.2 1960.
27	40.1	4.5	48.3	9.0	1949.	31.9	.0	16.0 -8.9 1975.
28	41.8	5.4	51.4	10.8	1985.	32.2	.1	18.0 -7.8 1966.
29	42.9	6.0	52.9	11.6	1981.	32.8	.5	16.0 -8.9 1974.
30	42.6	5.9	50.7	10.4	1977.	34.5	1.4	20.0 -6.7 1970.
31	42.7	6.0	50.3	10.2	1981.	35.1	1.7	22.0 -5.6 1965.+
MONTH	37.5	3.0	45.7	7.6	1977.	29.2	-1.6	1.0 -17.2 1967.+

NOTES :

T = TRACE AMOUNTS (<.01. OR <.5, OR < 1.0 INCHES)
+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : APR

MEAN TEMPERATURE | MAXIMUM TEMPERATURE | MINIMUM TEMPERATURE

DAY	AVERAGE		MAXIMUM		MINIMUM		EXTREME		EXTREME		DATE	DATE
	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C		
1	43.6	6.5	53.1	11.7	66.0	18.9	1978.	34.2	1.2	19.0	-7.2	1969.
2	44.7	7.1	54.2	12.3	75.0	23.9	1963.	35.3	1.8	20.0	-6.7	1964.
3	44.8	7.1	54.2	12.3	78.0	25.6	1967.	35.3	1.8	18.0	-7.8	1954.
4	43.9	6.6	52.8	11.5	70.0	21.1	1950.	35.1	1.7	14.0	-10.0	1954.
5	45.6	7.6	54.9	12.7	72.0	22.2	1985.	36.3	2.4	22.0	-5.6	1954.
6	44.3	6.8	53.4	11.9	67.0	19.4	1985.	35.2	1.8	20.0	-6.7	1982.
7	44.0	6.7	52.4	11.4	69.0	20.6	1954.	35.6	2.0	18.0	-7.8	1982.
8	44.5	6.9	53.1	11.7	77.0	25.0	1959.	35.8	2.1	22.0	-5.6	1972.
9	43.9	6.6	52.9	11.6	76.0	24.4	1970.	34.8	1.6	23.0	-5.0	1977.
10	45.2	7.4	55.0	12.8	77.0	25.0	1955.	35.5	2.0	25.0	-3.9	1985.+
11	45.4	7.4	54.4	12.4	79.0	26.1	1955.	36.3	2.4	26.0	-3.3	1976.
12	46.3	7.9	56.7	13.7	86.0	30.0	1977.	35.8	2.1	19.0	-7.2	1976.
13	45.8	7.7	55.6	13.1	85.0	29.4	1977.	36.0	2.2	26.0	-3.3	1956.
14	47.1	8.4	56.6	13.6	72.0	22.2	1977.+	37.6	3.1	26.0	-3.3	1959.
15	47.9	8.9	57.7	14.3	79.0	26.1	1960.	38.2	3.4	28.0	-2.2	1957.
16	48.7	9.3	58.5	14.7	80.0	26.7	1976.	38.9	3.9	28.0	-2.2	1981.+
17	50.1	10.0	60.1	15.6	93.0	33.9	1976.	40.0	4.4	28.0	-2.2	1966.
18	51.1	10.6	62.4	16.9	86.0	30.0	1976.	39.9	4.4	31.0	-6	1962.
19	51.2	10.7	61.0	16.1	98.0	36.7	1976.	41.3	5.2	31.0	-6	1956.
20	49.7	9.8	59.7	15.4	89.0	31.7	1976.	39.6	4.2	30.0	-1.1	1961.+
21	50.8	10.4	61.7	16.5	87.0	30.6	1957.	39.9	4.4	29.0	-1.7	1969.
22	51.8	11.0	62.5	17.0	86.0	30.0	1977.	41.1	5.0	29.0	-1.7	1975.
23	51.7	11.0	61.6	16.4	83.0	28.3	1973.	41.9	5.5	33.0	.6	1982.
24	49.9	9.9	57.9	14.4	77.0	25.0	1982.	41.9	5.5	32.0	.0	1956.
25	50.7	10.4	59.7	15.4	83.0	28.3	1982.	41.7	5.4	31.0	-6	1965.+
26	51.5	10.8	59.7	15.5	80.0	26.7	1985.	43.1	6.2	31.0	-6	1967.
27	51.0	10.5	59.6	15.4	86.0	30.0	1962.	42.3	5.7	33.0	.6	1972.
28	51.9	11.0	61.0	16.1	80.0	26.7	1962.	42.7	5.9	31.0	-6	1972.
29	52.8	11.5	62.3	16.9	90.0	32.2	1974.	43.2	6.2	34.0	1.1	1966.
30	53.7	12.1	64.7	18.2	85.0	29.4	1985.	42.7	5.9	33.0	.6	1975.
MONTH	48.1	9.0	57.7	14.3	98.0	36.7	1976.	38.6	3.7	14.0	-11.0	1954.

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : MAY

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE				
DAY	AVERAGE		DATE	EXTREME		DATE	AVERAGE		DATE	EXTREME		
	DEG F	DEG C		DEG F	DEG C		DEG F	DEG C				
1	53.7	12.1	64.4	18.0	82.0	27.8	1985.	43.0	6.1	30.0	-1.1	1978.
2	52.3	11.3	61.7	16.5	77.0	25.0	1951.	42.9	6.1	34.0	1.1	1978.
3	52.5	11.4	62.0	16.7	75.0	23.9	1969.+	43.1	6.1	33.0	.6	1964.
4	53.8	12.1	64.3	17.9	86.0	30.0	1965.	43.3	6.3	31.0	-6	1986.
5	54.0	12.2	64.2	17.9	91.0	32.8	1949.	43.9	6.6	35.0	1.7	1951.
6	54.6	12.6	64.8	18.2	78.0	25.6	1976.	44.5	6.9	34.0	1.1	1970.
7	54.1	12.3	63.8	17.7	83.0	28.3	1964.+	44.3	6.8	32.0	.0	1970.
8	53.9	12.1	63.1	17.3	88.0	31.1	1964.	44.6	7.0	33.0	.6	1956.
9	55.7	13.2	65.4	18.6	90.0	32.2	1979.	45.9	7.7	29.0	-1.7	1956.
10	57.0	13.9	67.1	19.5	92.0	33.3	1979.	46.9	8.3	34.0	1.1	1977.
11	56.6	13.6	66.0	18.9	90.0	32.2	1985.	47.1	8.4	36.0	2.2	1966.
12	56.9	13.8	66.6	19.2	87.0	30.6	1959.	47.2	8.5	33.0	.6	1963.
13	57.6	14.2	67.7	19.9	88.0	31.1	1956.	47.4	8.5	36.0	2.2	1962.
14	56.3	13.5	66.6	19.2	78.0	25.6	1985.	46.1	7.8	36.0	2.2	1967.
15	56.9	13.8	66.5	19.2	82.0	27.8	1957.	47.3	8.5	38.0	3.3	1986.
16	57.7	14.3	67.7	19.8	89.0	31.7	1951.	47.8	8.8	39.0	3.9	1964.
17	58.4	14.7	69.0	20.5	91.0	32.8	1977.+	47.9	8.8	35.0	1.7	1956.
18	57.7	14.3	67.3	19.6	86.0	30.0	1986.	48.2	9.0	35.0	1.7	1983.
19	58.9	14.9	68.8	20.5	86.0	30.0	1949.	48.9	9.4	37.0	2.8	1981.
20	59.8	15.4	69.3	20.7	87.0	30.6	1978.+	50.3	10.2	40.0	4.4	1950.
21	60.1	15.6	70.4	21.4	88.0	31.1	1975.	49.7	9.8	40.0	4.4	1950.
22	60.8	16.0	71.4	21.9	88.0	31.1	1959.	50.3	10.2	38.0	3.3	1950.
23	61.1	16.2	71.5	21.9	94.0	34.4	1964.	50.7	10.4	40.0	4.4	1950.
24	60.2	15.7	70.0	21.1	92.0	33.3	1964.	50.5	10.3	38.0	3.3	1967.
25	59.8	15.4	68.9	20.5	92.0	33.3	1981.	50.6	10.4	33.0	.6	1956.
26	60.0	15.6	69.8	21.0	91.0	32.8	1965.	50.3	10.1	35.0	1.7	1972.
27	60.1	15.6	70.4	21.3	90.0	32.2	1981.	49.8	9.9	35.0	1.7	1972.
28	61.0	16.1	71.3	21.9	90.0	32.2	1959.	50.7	10.4	42.0	5.6	1974.
29	61.0	16.1	70.8	21.5	88.0	31.1	1973.	51.2	10.6	40.0	4.4	1949.
30	61.9	16.6	71.0	21.7	90.0	32.2	1986.	52.8	11.5	37.0	2.8	1970.
31	63.3	17.4	73.3	23.0	89.0	31.7	1956.	53.3	11.8	37.0	2.8	1961.
MONTH	57.7	14.3	67.6	19.8	94.0	34.4	1964.	47.8	8.8	29.0	-1.7	1956.

NOTES :

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 + = VALUE OCCURRED IN PREVIOUS YEAR(S).
 THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUN

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE			
AVERAGE		AVERAGE		AVERAGE		AVERAGE		AVERAGE		AVERAGE	
DAY	DEG F	DEG C	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C
DATE	DEG F	DEG C	DEG C	DATE	DEG F	DEG C	DEG C	DATE	DEG F	DEG C	DATE
1	64.5	18.1	74.2	23.4	89.0	31.7	1962.	54.9	12.7	41.0	5.0 1967.
2	63.5	17.5	72.5	22.5	87.0	30.6	1961.	54.5	12.5	46.0	7.8 1986.*
3	63.2	17.4	73.3	23.0	84.0	28.9	1970.	53.2	11.8	43.0	6.1 1964.
4	64.0	17.8	74.5	23.6	87.0	30.6	1981.	53.4	11.9	44.0	6.7 1965.*
5	64.9	18.3	75.2	24.0	88.0	31.1	1973.	54.6	12.6	44.0	6.7 1958.*
6	65.2	18.5	75.7	24.3	90.0	32.2	1968.*	54.7	12.6	44.0	6.7 1964.
7	64.5	18.1	74.1	23.4	90.0	32.2	1968.*	54.9	12.7	43.0	6.1 1958.
8	65.0	18.3	75.5	24.2	94.0	34.4	1984.	54.4	12.5	44.0	6.7 1955.
9	66.6	19.2	77.1	25.0	95.0	35.0	1984.	56.1	13.4	43.0	6.1 1980.
10	65.7	18.7	76.2	24.5	94.0	34.4	1974.	55.3	12.9	43.0	6.1 1957.
11	65.9	18.8	76.0	24.4	95.0	35.0	1973.	55.8	13.2	41.0	5.0 1980.
12	64.9	18.3	75.2	24.0	94.0	34.4	1973.	54.6	12.5	41.0	5.0 1980.
13	65.6	18.7	75.1	23.9	94.0	34.4	1956.	56.2	13.4	45.0	7.2 1976.
14	64.4	18.0	73.1	22.8	92.0	33.3	1956.	55.7	13.2	46.0	7.8 1970.
15	66.2	19.0	76.4	24.7	94.0	34.4	1956.	56.0	13.3	45.0	7.2 1965.
16	67.6	19.8	77.4	25.2	95.0	35.0	1957.	57.7	14.3	47.0	8.3 1961.
17	67.2	19.6	76.7	24.8	93.0	33.9	1957.	57.8	14.4	44.0	6.7 1954.
18	67.4	19.7	77.4	25.2	87.0	30.6	1971.*	57.5	14.2	45.0	7.2 1965.*
19	67.8	19.9	77.3	25.1	90.0	32.2	1957.	58.4	14.7	45.0	7.2 1956.
20	68.4	20.2	78.0	25.5	94.0	34.4	1953.	58.8	14.9	46.0	7.8 1956.
21	68.5	20.3	78.3	25.7	92.0	33.3	1953.	58.6	14.8	48.0	8.9 1979.*
22	68.7	20.4	78.4	25.8	90.0	32.2	1956.	58.9	14.9	49.0	9.4 1986.*
23	69.6	20.9	79.3	26.3	92.0	33.3	1983.	59.9	15.5	48.0	8.9 1952.
24	70.2	21.2	80.0	26.7	94.0	34.4	1980.	60.3	15.7	52.0	11.1 1958.
25	69.5	20.9	78.8	26.0	96.0	35.6	1980.	60.2	15.7	50.0	10.0 1979.
26	68.9	20.5	78.4	25.8	97.0	36.1	1952.	59.3	15.2	47.0	8.3 1986.*
27	69.6	20.9	79.4	26.3	96.0	35.6	1980.	59.8	15.4	47.0	8.3 1979.
28	69.3	20.7	78.7	26.0	93.0	33.9	1969.	59.9	15.5	49.0	9.4 1970.
29	69.6	20.9	79.1	26.1	90.0	32.2	1969.	60.2	15.7	49.0	9.4 1970.
30	71.0	21.6	80.0	26.7	94.0	34.4	1964.	61.9	16.6	53.0	11.7 1956.
MONTH	66.9	19.4	76.7	24.8	97.0	36.1	1952.	57.1	14.0	41.0	5.0 1980.*

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : JUL

MEAN TEMPERATURE | MAXIMUM TEMPERATURE | MINIMUM TEMPERATURE

DAY	AVERAGE		MAXIMUM		MINIMUM		EXTREME		EXTREME		EXTREME		EXTREME		EXTREME	
	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C
1	72.1	22.3	81.9	27.7	97.0	36.1	1964.	62.3	16.8	50.0	10.0	1952.				
2	72.5	22.5	82.7	28.2	94.0	34.4	1966.	62.2	16.8	51.0	10.6	1978.*				
3	72.2	22.3	81.7	27.6	96.0	35.6	1966.	62.7	17.0	50.0	10.0	1957.				
4	71.6	22.0	81.1	27.3	99.0	37.2	1949.	62.2	16.8	51.0	10.6	1986.				
5	70.4	21.3	79.6	26.4	96.0	35.6	1955.	61.2	16.2	49.0	9.4	1979.				
6	69.9	21.1	79.3	26.3	91.0	32.8	1976.*	60.5	15.8	50.0	10.0	1979.				
7	71.3	21.8	82.0	27.8	97.0	36.1	1981.	60.6	15.9	49.0	9.4	1965.				
8	72.5	22.5	82.6	28.1	99.0	37.2	1981.	62.4	16.9	54.0	12.2	1969.*				
9	72.8	22.7	82.5	28.1	99.0	37.2	1981.	63.1	17.3	52.0	11.1	1969.				
10	72.2	22.3	81.1	27.3	90.0	32.2	1981.*	63.3	17.4	52.0	11.1	1953.				
11	71.9	22.2	81.1	27.3	94.0	34.4	1981.	62.7	17.0	53.0	11.7	1953.				
12	71.7	22.1	80.8	27.1	91.0	32.8	1972.	62.6	17.0	53.0	11.7	1978.				
13	72.4	22.4	81.1	27.3	92.0	33.3	1979.	63.6	17.5	54.0	12.2	1955.				
14	73.4	23.0	82.2	27.9	95.0	35.0	1952.	64.6	18.1	60.0	15.6	1986.*				
15	73.3	23.0	82.2	27.9	93.0	33.9	1983.	64.4	18.0	56.0	13.3	1950.				
16	73.7	23.2	82.7	28.2	97.0	36.1	1983.	64.6	18.1	52.0	11.1	1954.				
17	74.2	23.4	84.0	28.9	97.0	36.1	1977.	64.3	18.0	49.0	9.4	1954.				
18	75.1	23.9	85.1	29.5	98.0	36.7	1982.	65.1	18.4	53.0	11.7	1956.				
19	74.9	23.8	84.0	28.9	100.0	37.8	1977.	65.9	18.8	55.0	12.8	1956.				
20	73.6	23.1	81.5	27.5	97.0	36.1	1957.	65.8	18.8	56.0	13.3	1966.*				
21	73.9	23.3	82.9	28.3	100.0	37.8	1980.*	64.9	18.3	51.0	10.6	1966.				
22	73.5	23.1	82.7	28.1	97.0	36.1	1957.	64.4	18.0	55.0	12.8	1965.*				
23	73.4	23.0	82.5	28.0	97.0	36.1	1978.	64.4	18.0	54.0	12.2	1976.*				
24	72.7	22.6	82.0	27.8	88.0	31.1	1977.*	63.5	17.5	52.0	11.1	1950.				
25	71.8	22.1	80.9	27.1	92.0	33.3	1965.	62.8	17.1	53.0	11.7	1953.				
26	71.8	22.1	81.0	27.2	95.0	35.0	1963.	62.6	17.0	51.0	10.6	1976.				
27	72.8	22.7	82.1	27.8	93.0	33.9	1981.*	63.4	17.5	54.0	12.2	1977.*				
28	73.2	22.9	82.0	27.8	95.0	35.0	1949.	64.3	18.0	53.0	11.7	1977.				
29	73.3	22.9	81.6	27.5	95.0	35.0	1949.	64.9	18.3	54.0	12.2	1968.				
30	73.4	23.0	82.3	27.9	97.0	36.1	1949.	64.5	18.0	53.0	11.7	1968.				
31	72.9	22.7	81.9	27.7	93.0	33.9	1954.	63.8	17.7	51.0	10.6	1956.				
MONTH	72.7	22.6	82.0	27.6	100.0	37.8	1980.*	63.5	17.5	49.0	9.4	1979.*				

NOTES :

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THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : AUG

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE						
DAY	AVERAGE		DATE	EXTREME		DATE	AVERAGE		EXTREME		DATE			
	DEG F	DEG C		DEG F	DEG C		DEG F	DEG C						
1	73.7	23.1		82.7	28.2		95.0	35.0		1975.		53.0	11.7	1964.+
2	72.8	22.7		81.5	27.5		104.0	40.0		1975.		54.0	12.2	1985.
3	72.3	22.4		80.7	27.1		93.0	33.9		1975.+		51.0	10.6	1953.
4	72.3	22.4		80.8	27.1		89.0	31.7		1980.		52.0	11.1	1959.
5	71.9	22.2		80.8	27.1		95.0	35.0		1955.		51.0	10.6	1972.
6	71.6	22.0		81.1	27.3		92.0	33.3		1980.		51.0	10.6	1972.
7	71.9	22.1		81.2	27.3		91.0	32.8		1973.		52.0	11.1	1957.
8	73.2	22.9		82.3	27.9		93.0	33.9		1983.+		51.0	10.6	1957.
9	73.2	22.9		81.9	27.7		96.0	35.6		1949.		51.0	10.6	1964.+
10	72.4	22.5		80.8	27.1		94.0	34.4		1973.		47.0	8.3	1964.
11	72.2	22.3		80.2	26.8		95.0	35.0		1949.		50.0	10.0	1974.
12	70.6	21.4		79.3	26.3		91.0	32.8		1973.		50.0	10.0	1968.
13	71.0	21.7		80.3	26.8		92.0	33.3		1976.		50.0	10.0	1957.
14	71.7	22.0		81.1	27.3		92.0	33.3		1985.		47.0	8.3	1964.
15	71.9	22.1		81.3	27.4		93.0	33.9		1985.		51.0	10.6	1964.
16	71.4	21.9		81.2	27.3		92.0	33.3		1959.		49.0	9.4	1964.
17	71.2	21.8		80.2	26.8		92.0	33.3		1959.		50.0	10.0	1981.
18	70.4	21.3		79.7	26.5		92.0	33.3		1956.		51.0	10.6	1979.
19	69.7	20.9		79.3	26.3		92.0	33.3		1966.		49.0	9.4	1953.
20	70.8	21.6		80.2	26.8		96.0	35.6		1983.		47.0	8.3	1981.
21	69.5	20.8		79.2	26.2		94.0	34.4		1955.		49.0	5.4	1981.
22	69.1	20.6		79.0	26.1		97.0	36.1		1976.		46.0	7.8	1969.
23	68.1	20.0		77.6	25.4		90.0	32.2		1976.		45.0	7.2	1957.
24	68.4	20.2		78.2	25.7		92.0	33.3		1980.+		46.0	7.8	1957.
25	68.4	20.2		77.7	25.4		93.0	33.9		1968.		45.0	7.2	1981.
26	69.3	20.7		79.3	26.3		90.0	32.2		1972.		41.0	5.0	1981.
27	71.6	22.0		81.1	27.3		95.0	35.0		1980.		49.0	9.4	1954.
28	71.6	22.0		81.2	27.4		93.0	33.9		1953.		47.0	8.3	1986.+
29	70.4	21.4		79.6	26.4		95.0	35.0		1953.		44.0	6.7	1986.
30	69.8	21.0		78.6	25.9		95.0	35.0		1953.		45.0	7.2	1986.+
31	70.0	21.1		79.2	26.2		96.0	35.6		1953.		40.0	4.4	1965.
MONTH	71.0	21.7		80.2	26.8		104.0	40.0		1975.		40.0	4.4	1965.

NOTES :

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29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : SEP

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE			
AVERAGE		I		AVERAGE		I		AVERAGE		I	
DAY	DEG F	DEG C		DEG F	DEG C			DEG F	DEG C		
1	69.8	21.0	79.1	26.2	93.0	33.9	1980.0	60.4	15.8	43.0	6.1 1975.
2	69.1	20.6	78.6	25.9	99.0	37.2	1953.	59.7	15.4	48.0	8.9 1967.
3	68.1	20.1	76.7	24.9	91.0	32.8	1983.0	59.4	15.2	45.0	7.2 1967.
4	64.7	20.4	78.2	25.7	91.0	32.8	1983.0	59.2	15.1	47.0	8.3 1976.
5	68.5	20.3	78.7	25.9	92.0	33.3	1983.	58.4	14.7	48.0	8.9 1974.0
6	67.4	19.7	76.6	24.8	95.0	35.0	1983.	58.2	14.5	48.0	8.9 1984.0
7	66.2	19.0	76.7	24.8	96.0	35.6	1983.	55.8	13.2	43.0	6.1 1984.0
8	65.2	18.5	75.1	24.0	88.0	31.1	1960.	55.4	13.0	44.0	6.7 1952.
9	64.2	17.9	74.5	23.6	91.0	32.8	1971.	53.8	12.1	42.0	5.6 1980.0
10	65.5	18.6	76.0	24.5	94.0	34.4	1983.	55.0	12.8	43.0	6.1 1978.0
11	65.5	18.6	75.5	24.2	100.0	37.8	1983.	55.5	13.1	44.0	6.7 1980.0
12	65.3	18.5	75.0	23.9	91.0	32.8	1961.	55.6	13.1	43.0	6.1 1985.0
13	64.4	18.0	74.1	23.4	91.0	32.8	1957.	54.6	12.5	44.0	6.7 1970.0
14	63.7	17.6	73.1	22.8	89.0	31.7	1981.	54.4	12.5	41.0	5.0 1963.
15	62.0	16.7	71.4	21.9	82.0	27.8	1969.	52.7	11.5	38.0	3.3 1975.
16	62.0	16.7	71.4	21.9	85.0	29.4	1971.0	52.6	11.4	41.0	5.0 1964.
17	61.2	16.2	70.8	21.6	84.0	28.9	1972.0	51.5	10.8	37.0	2.8 1960.
18	62.7	17.0	72.6	22.5	85.0	29.4	1955.	52.8	11.5	39.0	3.9 1959.
19	62.3	16.8	72.0	22.2	91.0	32.8	1983.	52.6	11.4	37.0	2.8 1956.
20	62.2	16.8	71.9	22.1	93.0	33.9	1983.	52.5	11.4	38.0	3.3 1979.
21	61.8	16.6	71.1	21.7	88.0	31.1	1980.	52.5	11.4	35.0	1.7 1956.
22	62.4	16.9	72.1	22.3	93.0	33.9	1980.	52.8	11.5	34.0	1.1 1962.
23	60.4	15.8	70.0	21.1	92.0	33.3	1970.	50.9	10.5	38.0	3.3 1974.
24	58.7	14.8	68.3	20.1	87.0	30.6	1959.	49.2	9.5	34.0	1.1 1974.
25	59.1	15.1	69.2	20.7	85.0	29.4	1970.	49.1	9.5	36.0	2.2 1963.0
26	60.0	15.5	70.4	21.3	88.0	31.1	1958.	49.6	9.8	37.0	2.8 1967.0
27	59.8	15.4	70.2	21.2	85.0	29.4	1972.	49.4	9.6	35.0	1.7 1980.
28	58.9	15.0	68.6	20.3	81.0	27.2	1959.	49.3	9.6	33.0	0.6 1980.
29	59.2	15.1	68.0	20.0	84.0	28.9	1952.	50.3	10.2	35.0	1.7 1957.
30	58.4	14.6	68.5	20.3	85.0	29.4	1986.	48.2	9.0	32.0	0.0 1951.
MONTH	63.4	17.5	73.1	22.9	100.0	37.8	1983.	53.7	12.1	32.0	0.0 1951.

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

Q14765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : OCT

MEAN TEMPERATURE | MAXIMUM TEMPERATURE | MINIMUM TEMPERATURE

DAY	AVERAGE		EXTREME		EXTREME		AVERAGE		EXTREME		DATE	
	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C	DEG F	DEG C				
1	59.3	15.2	68.9	20.5	86.0	30.0	1950.	49.8	9.9	34.0	1.1	1974.
2	58.0	14.5	68.1	20.1	85.0	29.4	1968.+	48.0	8.9	37.0	2.8	1974.
3	58.1	14.5	67.7	19.8	82.0	27.8	1983.	48.6	9.2	36.0	2.2	1974.
4	57.8	14.3	67.7	19.9	85.0	29.4	1959.	47.8	8.8	35.0	1.7	1974.
5	57.2	14.0	67.1	19.5	85.0	29.4	1967.	47.2	8.4	31.0	-6	1965.
6	56.1	13.4	66.6	19.2	85.0	29.4	1959.	45.5	7.5	29.0	-1.7	1984.
7	55.2	12.9	64.9	18.3	86.0	30.0	1963.	45.4	7.5	30.0	-1.1	1984.
8	55.3	13.0	65.6	18.6	76.0	24.4	1966.	45.1	7.3	27.0	-2.8	1954.
9	56.2	13.5	66.5	19.2	79.0	26.1	1961.	46.0	7.8	30.0	-1.1	1953.
10	54.0	12.2	63.9	17.7	88.0	31.1	1949.	44.2	6.8	26.0	-3.3	1980.
11	54.0	12.2	63.8	17.7	82.0	27.8	1955.+	44.2	6.8	27.0	-2.8	1956.
12	54.5	12.5	65.1	18.4	85.0	29.4	1954.	44.0	6.7	27.0	-2.8	1956.
13	53.7	12.1	63.8	17.7	85.0	29.4	1954.	43.7	6.5	22.0	-5.6	1981.
14	54.7	12.6	65.4	18.6	79.0	26.1	1954.+	43.9	6.6	28.0	-2.2	1953.
15	55.6	13.1	66.6	19.2	82.0	27.8	1975.	44.7	7.0	30.0	-1.1	1981.
16	54.6	12.5	65.6	18.7	83.0	28.3	1963.	43.5	6.4	28.0	-2.2	1978.
17	52.4	11.4	62.5	17.0	81.0	27.2	1968.	42.4	5.8	30.0	-1.1	1978.
18	52.6	11.4	62.8	17.1	80.0	26.7	1968.	42.3	5.7	28.0	-2.2	1978.
19	52.2	11.2	62.1	16.7	77.0	25.0	1963.	42.3	5.7	24.0	-4.4	1974.
20	51.2	10.6	61.1	16.2	79.0	26.1	1984.+	41.2	5.1	23.0	-5.0	1970.
21	50.8	10.4	61.9	16.6	76.0	24.4	1979.	39.6	4.2	23.0	-5.0	1972.
22	51.6	10.9	62.6	17.0	86.0	30.0	1979.	40.7	4.8	27.0	-2.8	1974.
23	52.5	11.4	62.6	17.0	78.0	25.6	1978.	42.4	5.8	24.0	-4.4	1969.
24	51.9	11.1	61.0	16.1	74.0	23.3	1963.	42.8	6.0	21.0	-6.1	1969.
25	50.1	10.1	59.0	15.0	75.0	23.9	1963.	41.3	5.2	31.0	-6	1962.
26	49.9	9.9	58.4	14.7	78.0	25.6	1963.	41.4	5.2	27.0	-2.8	1976.
27	49.3	9.6	58.9	14.9	78.0	25.6	1964.	39.8	4.3	20.0	-6.7	1976.
28	48.9	9.4	59.2	15.1	76.0	24.4	1964.	38.7	3.7	24.0	-4.4	1976.
29	49.5	9.7	59.5	15.3	78.0	25.6	1984.	39.5	4.2	26.0	-3.3	1980.
30	47.6	8.6	57.1	13.9	75.0	23.9	1961.+	38.0	3.3	24.0	-4.4	1980.
31	49.6	9.8	59.7	15.4	72.0	22.2	1982.	39.4	4.1	24.0	-4.4	1966.
MONTH	53.4	11.9	63.4	17.4	88.0	31.1	1949.	43.3	6.3	20.0	-6.7	1976.

NOTES :

T = TRACE AMOUNTS (<.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : NOV

MEAN TEMPERATURE | MAXIMUM TEMPERATURE | MINIMUM TEMPERATURE

DAY	AVERAGE DEG F	AVERAGE DEG C	EXTREME DEG F	EXTREME DEG C	DATE	AVERAGE DEG F	AVERAGE DEG C	EXTREME DEG F	EXTREME DEG C	DATE
1	49.4	9.6	59.0	15.0	78.0	39.7	4.3	27.0	-2.8	1975.
2	50.1	10.1	60.0	15.5	81.0	40.3	4.6	21.0	-6.1	1976.
3	49.8	9.9	58.8	14.9	76.0	40.8	4.9	23.0	-5.0	1980.
4	49.8	9.9	58.4	14.7	75.0	41.1	5.1	28.0	-2.2	1951.
5	46.9	8.3	55.2	12.9	74.0	38.6	3.6	25.0	-3.9	1952.
6	45.5	7.5	53.3	11.8	72.0	37.6	3.1	25.0	-3.9	1951.
7	46.1	7.8	55.0	12.6	72.0	37.2	2.9	27.0	-2.8	1962.+
8	45.7	7.6	54.4	12.4	68.0	37.0	2.8	22.0	-5.6	1960.
9	45.4	7.4	54.7	12.6	72.0	36.1	2.3	18.0	-7.8	1976.
10	44.6	7.0	52.7	11.5	70.0	36.6	2.6	22.0	-5.6	1956.
11	43.8	6.5	52.1	11.2	68.0	35.5	1.9	16.0	-8.9	1956.
12	44.3	6.9	52.3	11.3	65.0	36.4	2.4	24.0	-4.4	1976.
13	43.0	6.1	51.5	10.8	70.0	34.4	1.4	22.0	-5.6	1986.
14	44.2	6.8	52.8	11.5	69.0	35.7	2.0	17.0	-8.3	1986.
15	43.6	6.5	52.9	11.6	69.0	34.3	1.3	21.0	-6.1	1967.
16	43.8	6.6	52.0	11.1	69.0	35.7	2.0	20.0	-6.7	1967.
17	43.3	6.3	52.1	11.2	66.0	34.4	1.4	17.0	-8.3	1967.
18	43.4	6.4	51.3	10.7	73.0	35.6	2.0	21.0	-6.1	1959.
19	42.0	5.6	51.0	10.5	70.0	33.1	.6	21.0	-6.1	1986.
20	42.0	5.6	50.8	10.4	70.0	33.3	.7	17.0	-8.3	1986.
21	41.5	5.3	50.7	10.4	68.0	32.3	.2	18.0	-7.8	1951.
22	40.1	4.5	47.4	8.6	63.0	32.8	.4	16.0	-8.9	1969.
23	40.0	4.4	48.3	9.0	72.0	31.7	-.2	14.0	-10.0	1972.
24	41.8	5.5	50.3	10.2	73.0	33.3	.7	18.0	-7.8	1956.
25	40.0	4.5	48.1	9.0	71.0	31.9	.0	18.0	-7.8	1956.
26	40.5	4.7	49.4	9.7	64.0	31.5	-.3	18.0	-7.8	1949.
27	40.2	4.5	49.0	9.5	64.0	31.3	-.4	12.0	-11.1	1949.
28	40.8	4.9	49.3	9.6	66.0	32.2	.1	14.0	-10.0	1951.
29	40.1	4.5	48.1	8.9	64.0	32.1	.0	21.0	-6.1	1976.+
30	36.5	2.5	44.0	6.7	60.0	29.1	-1.6	15.0	-9.4	1976.
MONTH	43.6	6.4	52.2	11.2	81.0	35.0	1.7	12.0	-11.1	1949.

NOTES :

T = TRACE AMOUNTS (.01, OR <.5, OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

29 - DAILY AVERAGE/EXTREME TEMPERATURES

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : DEC

MEAN TEMPERATURE				MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE				
DAY	AVERAGE		I	EXTREME		I	AVERAGE		I	EXTREME		I
	DEG F	DEG C		DEG F	DEG C		DATE	DEG F		DEG C	DATE	
1	34.8	1.5	42.8	6.0	65.0	18.3	1962.	26.8	-2.9	12.0	-11.1	1976.
2	36.2	2.4	44.6	7.0	62.0	16.7	1985.+	27.9	-2.3	13.0	-10.6	1976.
3	36.0	2.2	44.6	7.0	62.0	16.7	1986.	27.5	-2.5	.0	-17.8	1976.
4	36.3	2.4	44.7	7.0	67.0	19.4	1982.	27.9	-2.3	8.0	-13.3	1976.
5	36.6	2.6	44.7	7.1	67.0	19.4	1973.	28.6	-1.9	9.0	-12.8	1976.
6	37.5	3.1	46.3	7.9	65.0	18.3	1982.	28.8	-1.8	15.0	-5.4	1971.
7	36.0	2.2	44.5	6.9	63.0	17.2	1953.	27.6	-2.4	14.0	-10.0	1964.
8	36.1	2.3	44.2	6.8	64.0	17.8	1966.	27.9	-2.3	10.0	-12.2	1976.
9	35.8	2.1	44.2	6.8	65.0	18.3	1966.	27.4	-2.6	6.0	-14.4	1976.
10	34.6	1.5	41.9	5.5	62.0	16.7	1953.	27.3	-2.6	5.0	-15.0	1968.
11	33.9	1.1	41.4	5.2	68.0	20.0	1971.	26.4	-3.1	4.0	-15.6	1958.
12	34.4	1.3	42.1	5.6	69.0	20.6	1979.	26.7	-2.9	4.0	-15.6	1977.
13	33.6	.9	42.1	5.6	63.0	17.2	1983.	25.2	-3.8	4.0	-15.6	1976.
14	32.6	.3	40.8	4.9	57.0	13.9	1975.	24.4	-4.2	1.0	-17.2	1976.
15	32.6	.3	40.0	4.4	62.0	16.7	1975.	25.1	-3.8	8.0	-13.3	1980.
16	32.0	.0	39.3	4.0	62.0	16.7	1971.	24.8	-4.0	5.0	-15.0	1951.
17	31.3	-.4	39.7	4.3	63.0	17.2	1984.	22.9	-5.0	5.0	-15.0	1980.
18	30.0	-1.1	38.9	3.8	60.0	15.6	1984.	21.2	-6.0	1.0	-18.3	1980.
19	28.3	-2.1	36.4	2.5	56.0	13.3	1967.	20.2	-6.6	4.0	-15.6	1979.
20	28.6	-1.9	36.4	2.5	59.0	15.0	1957.	20.8	-6.2	1.0	-18.3	1955.
21	29.6	-1.3	37.2	2.9	60.0	15.6	1957.	22.1	-5.5	3.0	-19.4	1955.
22	31.1	-.5	38.5	3.6	58.0	14.4	1949.	23.8	-4.6	4.0	-15.6	1958.
23	31.2	-.5	39.2	4.0	59.0	15.0	1949.	23.2	-4.9	2.0	-16.7	1955.
24	31.4	-.3	39.3	4.2	57.0	13.9	1957.	23.2	-4.9	4.0	-20.0	1975.
25	30.9	-.6	40.0	4.4	63.0	17.2	1964.	21.9	-5.6	10.0	-23.3	1980.
26	31.4	-.3	39.9	4.4	63.0	17.2	1982.	23.0	-5.0	3.0	-19.4	1980.
27	29.3	-1.5	36.6	2.6	59.0	15.0	1973.+	22.0	-5.6	2.0	-16.7	1950.
28	30.9	-.6	39.3	4.1	60.0	15.6	1982.	22.5	-5.3	4.0	-15.6	1950.
29	32.4	.2	40.8	4.9	70.0	21.1	1984.	24.1	-4.4	11.0	-11.7	1977.
30	30.3	-.9	38.1	3.4	63.0	17.2	1984.	22.5	-5.3	5.0	-20.6	1962.
31	29.0	-1.7	37.4	3.0	69.0	20.6	1965.	20.7	-6.3	5.0	-20.6	1962.
MONTH	32.7	.4	40.8	4.9	70.0	21.1	1984.	24.7	-4.1	10.0	-23.3	1980.

NOTES :

T = TRACE AMOUNTS (<.01. OR <.5. OR < 1.0 INCHES)

+ = VALUE OCCURRED IN PREVIOUS YEAR(S).

THIS SYMBOL OMITTED FOR SNOWFALL AND SNOW DEPTH AMOUNTS = 0.0

30 - EXTREME VALUES

MAXIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)DIA 765 PROVIDENCE, RI
PERIOD OF RECORD: 1949-1986LAT.: 41 44N LONG.: 71 25W ELEV.: 56 FT
PAGE: 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	58	63	71	75	91	91	99	PART	82	88	68	59	PART
1950	63	52	64	75	78	91	91	86	85	86	81	61	91
1951	62	64	64	73	89	88	89	87	87	78	69	63	89
1952	57	51	59	78	81	97	95	86	88	79	69	56	97
1953	58	58	64	73	81	94	94	96	99	78	73	63	99
1954	54	59	69	83	82	89	94	87	81	85	64	57	94
1955	47	53	61	79	84	88	96	95	85	82	60	47	96
1956	45	53	54	76	89	94	90	92	84	82	73	61	94
1957	57	65	65	87	87	95	97	93	91	75	68	60	97
1958	53	45	57	74	76	87	90	87	88	79	68	54	90
1959	60	51	70	77	90	92	88	93	88	85	72	58	93
1960	56	55	61	79	82	93	90	89	88	81	64	54	90
1961	56	60	62	75	82	93	90	89	91	79	74	55	93
1962	55	57	67	86	86	89	85	87	84	PART	60	65	PART
1963	55	50	66	78	88	93	95	86	84	86	71	53	95
1964	54	47	73	84	94	94	97	86	86	78	70	63	97
1965	58	55	60	75	91	91	92	90	88	76	71	69	92
1966	62	52	67	71	82	91	96	92	87	76	68	65	96
1967	65	56	69	78	76	93	89	87	85	85	70	56	93
1968	48	48	64	73	75	90	95	93	86	85	66	56	95
1969	49	38	57	78	86	93	95	92	93	79	64	60	95
1970	47	55	54	78	90	90	91	91	92	78	63	62	92
1971	50	54	65	68	81	92	92	92	91	83	73	68	92
1972	58	54	66	84	80	85	91	90	85	73	66	64	91
1973	64	57	70	83	88	95	94	94	91	77	69	67	95
1974	66	59	70	90	91	94	94	90	86	78	78	58	94
1975	61	55	54	66	91	93	92	104	78	82	76	63	104
1976	57	69	69	98	80	93	91	97	84	75	62	55	98
1977	47	51	78	86	91	86	100	91	90	75	70	54	100
1978	54	38	61	70	87	90	97	89	82	78	69	62	97
1979	59	51	71	74	92	90	92	89	85	86	73	69	92
1980	58	55	63	72	86	96	100	95	97	73	64	62	100
1981	50	72	77	83	92	89	99	92	90	73	71	57	99
1982	55	58	64	93	85	81	98	85	86	78	77	67	98
1983	55	60	63	82	77	94	97	96	100	84	67	63	100
1984	54	58	58	78	79	95	92	89	83	79	68	70	95
1985	46	72	76	85	90	85	91	93	88	77	70	62	93
1986	61	50	72	73	90	87	96	87	85	82	67	62	96

MEAN 55.7 55.3 65.1 78.4 85.3 90.9 93.5 90.7 87.4 79.8 69.1 60.5 95.1
 S.D. 5.542 7.475 6.200 6.475 5.361 3.521 3.592 3.977 4.654 4.142 4.735 5.192 3.372
 TOT OBS 38 38 38 38 38 38 38 37 38 37 38 38 36

30 - EXTREME VALUES

MAXIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
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YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949								96.					MAX TEMP # DAYS
								30					
1962										80.			MAX TEMP # DAYS
										30			

31 - EXTREME VALUES

MINIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD: 1949-1986

LAT.: 41 44N LONG.: 71 25W ELEV.: 56 FT
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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	13	4	8	32	38	46	54	PART	38	35	12	9	MISS
1950	6	-3	1	27	36	45	52	52	35	28	23	2	-3
1951	4	5	21	34	35	46	55	52	32	31	14	5	4
1952	0	12	17	31	37	48	50	51	42	27	20	7	0
1953	14	9	11	31	39	45	52	49	35	28	28	10	9
1954	-8	-1	19	14	39	44	49	49	44	27	25	8	-8
1955	5	-3	14	28	39	44	54	48	40	26	21	-3	-3
1956	3	9	10	25	29	45	51	49	35	27	16	8	3
1957	-9	12	18	26	36	43	50	45	35	33	16	15	-9
1958	6	-3	26	29	36	43	54	52	40	30	17	4	-3
1959	4	2	16	26	39	47	56	52	39	27	21	8	2
1960	10	19	8	28	39	47	55	50	37	28	22	5	5
1961	-6	-6	15	30	36	47	55	50	42	31	25	10	-6
1962	6	-2	7	26	36	50	51	49	34	PART	25	-5	MISS
1963	2	0	19	29	33	49	53	47	36	34	24	-1	-1
1964	0	8	22	20	33	43	55	47	41	29	18	12	0
1965	-3	0	17	22	41	44	49	40	35	29	22	12	-3
1966	6	2	18	27	36	45	51	52	37	24	20	12	2
1967	8	-5	1	27	32	41	56	51	37	31	17	8	-5
1968	-5	3	9	27	34	49	53	47	43	33	24	-2	-5
1969	6	10	16	19	35	49	52	46	37	21	16	8	6
1970	-2	2	15	25	32	46	58	52	42	23	19	10	-2
1971	-5	-1	18	29	41	47	55	48	39	39	21	13	-5
1972	0	0	11	22	35	44	53	50	43	23	14	7	0
1973	4	2	23	29	38	49	55	55	37	35	21	10	2
1974	2	7	16	25	36	46	54	50	34	24	19	15	2
1975	10	0	10	28	42	45	54	50	38	28	26	-4	-4
1976	-13	4	14	19	36	45	51	42	39	20	15	0	-13
1977	-2	8	23	23	33	47	53	49	43	28	25	4	-2
1978	7	0	9	26	30	49	51	55	37	28	18	14	0
1979	2	-7	14	28	40	47	49	51	38	30	28	4	-7
1980	11	7	4	31	44	41	57	55	33	24	23	-10	-10
1981	-12	7	12	28	33	49	57	41	37	22	24	10	-12
1982	-9	13	14	18	43	46	51	46	46	31	23	4	-9
1983	-2	7	23	33	35	46	57	53	44	31	27	1	-2
1984	-9	7	6	31	38	47	54	53	39	29	20	15	-9
1985	2	8	18	25	32	47	56	54	42	31	26	9	2
1986	1	13	7	29	31	44	51	44	40	31	17	12	1
MEAN	1.2	3.9	13.9	26.5	36.2	45.9	53.2	49.4	38.6	28.5	20.8	6.5	-2.3
S.D.	6.871	5.988	6.199	4.385	3.575	2.235	2.465	3.721	3.438	4.161	4.208	6.102	5.187
TOT OBS	38	38	38	38	38	38	38	37	38	37	38	38	36

31 - EXTREME VALUES

MINIMUM TEMPERATURE (DEG F)
(FROM DAILY OBS)

014765 PROVIDENCE, RI LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PERIOD OF RECORD : 1949-1986 PAGE : 1

YEAR/MONTHS WITH < FULL NUMBER OF OBSERVATIONS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949								49.					MIN TEMP # DAYS
								30					
1962										28.			MIN TEMP # DAYS
										30			

32 - YEAR/MONTH VALUES

HEATING DEGREE DAYS (BASE 65 DEG F)
(FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	930	854	813	450	229	35	0	MISS	126	265	685	922	MISS
1950	876	1047	989	585	310	52	3	5	182	303	560	960	5872
1951	978	857	801	438	223	74	0	6	89	325	704	936	5431
1952	991	909	864	450	257	18	0	8	82	414	616	927	5536
1953	937	844	787	494	214	36	3	13	118	340	570	817	5173
1954	1206	825	828	459	297	50	6	13	118	284	658	976	5720
1955	1139	931	861	481	185	87	0	11	116	326	711	1215	6067
1956	1066	896	986	625	365	52	13	13	194	394	630	885	6119
1957	1303	866	804	463	222	35	0	22	93	368	576	817	5569
1958	1056	1124	816	509	309	114	2	6	108	415	595	1225	6279
1959	1134	1063	879	473	180	88	0	6	101	354	644	942	5864
1960	1106	825	1034	480	196	30	0	8	117	382	573	1159	5910
1961	1274	955	864	581	302	26	0	6	49	284	633	1013	5987
1962	1123	1068	840	489	274	40	12	14	152	MISS	717	1125	MISS
1963	1115	1076	805	493	252	46	6	8	173	259	536	1242	6011
1964	1059	1033	835	560	188	52	9	24	125	377	615	981	5848
1965	1231	1018	891	581	182	67	3	29	99	395	711	907	6114
1966	1115	975	806	630	326	57	1	1	135	417	577	994	6034
1967	963	1093	976	598	424	48	0	7	103	356	761	937	6266
1968	1246	1137	827	447	281	74	2	16	59	295	672	1072	6128
1969	1117	1010	923	452	241	22	2	4	119	365	673	1065	5993
1970	1399	996	924	509	214	60	0	0	102	342	602	1124	6272
1971	1298	949	868	566	212	34	0	7	42	181	736	922	5815
1972	1054	1044	879	616	226	55	8	10	64	473	717	945	6091
1973	1044	984	653	451	268	16	2	3	125	331	632	819	5328
1974	1028	1003	808	433	313	62	0	0	114	512	634	899	5806
1975	951	962	907	606	160	64	0	13	132	298	516	1017	5612
1976	1281	828	798	403	223	39	2	23	124	501	806	1219	6247
1977	1361	983	653	434	176	51	0	6	103	368	568	1030	5733
1978	1231	1192	964	542	238	26	8	8	180	412	673	970	6444
1979	1075	1261	755	540	162	52	11	25	94	380	456	849	5700
1980	1088	1052	857	459	158	93	0	1	120	465	715	1125	6133
1981	1378	769	808	405	228	13	0	20	119	486	651	1044	5921
1982	1343	932	802	510	190	91	1	26	78	363	518	809	5663
1983	1038	892	755	449	254	13	0	4	62	323	563	1001	5354
1984	1190	771	961	513	236	36	1	0	125	270	637	833	5573
1985	1309	914	743	417	177	63	0	6	78	321	567	1065	5660
1986	1045	999	772	460	216	57	14	25	113	380	697	911	5689

33 - YEAR/MONTH VALUES

COOLING DEGREE DAYS (BASE 65 DEG F)
(FROM DAILY OBS)014765 PROVIDENCE, RI
PERIOD OF RECORD: 1949-1986LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	0	0	0	0	25	176	323	MISS	37	27	0	C	MISS
1950	0	0	0	0	0	96	212	144	47	7	1	0	507
1951	0	0	0	0	21	79	240	166	65	2	0	0	573
1952	0	0	0	4	6	132	355	205	75	1	0	0	778
1953	0	0	0	0	8	160	201	181	105	1	0	0	656
1954	0	0	0	4	12	99	177	107	40	58	0	0	497
1955	0	0	0	0	27	99	333	267	41	3	0	0	770
1956	0	0	0	0	14	122	190	191	50	0	2	0	569
1957	0	0	0	6	34	206	235	115	94	0	0	0	690
1958	0	0	0	0	1	48	208	188	55	3	0	0	503
1959	0	0	0	0	61	83	238	285	161	22	0	0	850
1960	0	0	0	0	3	111	194	194	45	4	0	0	551
1961	0	0	0	0	5	108	229	196	173	6	0	0	717
1962	0	0	0	4	21	96	128	146	33	MISS	0	0	MISS
1963	0	0	0	0	12	126	254	150	19	14	0	0	575
1964	0	0	0	0	46	98	226	81	59	0	0	0	510
1965	0	0	0	0	34	131	217	240	79	0	0	0	701
1966	0	0	0	0	3	137	248	187	31	0	0	0	606
1967	0	0	0	0	0	107	250	188	39	13	0	0	597
1968	0	0	0	0	0	80	260	197	61	21	0	0	619
1969	0	0	0	0	23	125	211	299	94	9	0	0	761
1970	0	0	0	0	13	86	289	237	91	14	0	0	730
1971	0	0	0	0	3	157	296	263	158	8	5	0	890
1972	0	0	0	1	7	60	248	190	76	1	0	0	583
1973	0	0	0	8	17	181	272	318	84	3	0	0	883
1974	0	0	0	7	27	79	242	244	66	0	1	0	666
1975	0	0	0	0	55	100	300	218	16	4	1	0	694
1976	0	0	0	4	13	196	163	183	33	3	0	0	631
1977	0	0	0	5	68	108	295	260	85	0	0	0	821
1978	0	0	0	0	25	126	224	211	24	0	0	0	610
1979	0	0	0	0	26	59	279	190	74	12	0	0	640
1980	0	0	0	0	21	84	312	272	122	0	0	0	811
1981	0	0	0	2	33	152	335	183	47	0	0	0	752
1982	0	0	0	0	11	64	276	165	59	3	2	0	580
1983	0	0	0	1	8	177	367	298	206	30	0	0	1087
1984	0	0	0	0	6	164	206	272	47	7	0	0	702
1985	0	0	0	5	34	65	256	203	90	5	0	0	658
1986	0	0	0	0	51	105	207	164	38	14	0	0	579

34 - YEAR/MONTH VALUES

MEAN TEMPERATURE (DEG F)
(FROM DAILY OBS)014765 PROVIDENCE, RI
PERIOD OF RECORD: 1949-1986LAT.: 41 44N LONG.: 71 25W ELEV.: 56 FT
PAGE: 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	35.0	34.5	38.7	50.0	58.4	69.6	75.4	72.0P	62.0	57.3	42.1	35.2	MISS
1950	36.7	27.6	33.0	45.5	55.0	66.4	71.7	69.4	60.5	55.4	46.3	34.0	50.1
1951	33.4	34.3	39.1	50.3	58.4	65.1	72.7	70.1	64.1	54.5	41.5	34.8	51.5
1952	33.0	32.5	37.1	50.1	56.9	68.7	76.4	71.3	64.7	51.6	44.4	35.0	51.8
1953	34.7	34.8	39.6	48.5	58.3	69.1	71.3	70.4	64.5	54.0	46.0	38.6	52.5
1954	26.0	35.5	38.2	49.8	55.8	66.6	70.5	68.0	62.3	57.7	43.0	33.5	50.6
1955	28.2	31.7	37.2	48.9	59.9	65.3	75.7	73.2	62.5	54.5	41.2	25.6	50.3
1956	30.6	33.0	33.1	44.1	53.6	67.3	70.7	70.7	60.1	52.2	44.0	36.4	49.6
1957	22.9	34.0	39.0	49.7	58.9	70.6	72.5	68.0	65.0	53.1	45.7	38.6	51.5
1958	30.9	24.8	38.6	48.0	55.0	62.7	71.6	70.8	63.2	51.7	45.1	25.4	49.0
1959	28.4	27.0	36.6	49.2	61.1	64.8	72.6	74.0	67.0	54.2	43.5	34.6	51.1
1960	29.3	35.5	31.6	49.0	58.7	67.6	71.2	71.0	62.5	52.8	45.8	27.6	50.2
1961	23.9	30.8	37.1	45.6	55.4	67.7	72.3	71.1	69.1	56.0	43.8	32.3	50.4
1962	28.7	26.8	37.9	48.8	56.8	66.8	68.7	69.2	61.0	52.4P	41.0	28.7	MISS
1963	29.0	26.5	39.0	48.5	57.2	67.6	73.0	69.5	59.8	57.0	47.1	24.9	49.9
1964	30.8	28.1	38.0	46.3	60.4	66.5	72.0	66.8	62.7	52.8	44.8	33.3	50.2
1965	25.2	28.6	36.2	45.6	60.2	67.1	71.9	71.8	64.3	52.2	41.2	35.7	50.0
1966	29.0	30.1	39.0	44.0	54.5	67.6	72.9	71.0	61.5	51.5	45.7	32.9	50.0
1967	33.9	25.9	33.5	45.0	51.3	66.9	73.0	70.8	62.8	53.9	39.6	34.7	49.3
1968	24.8	24.3	38.3	50.0	55.9	65.1	73.3	70.8	65.0	56.1	42.5	30.4	49.7
1969	28.9	28.9	35.2	49.9	57.9	68.4	71.7	74.5	64.1	53.5	42.5	30.6	50.5
1970	19.8	29.4	35.1	48.0	58.5	65.8	74.3	72.6	64.6	54.4	44.9	28.7	49.7
1971	23.1	31.1	37.0	46.1	58.2	69.0	74.5	73.2	68.8	59.4	40.6	35.2	51.3
1972	31.0	27.7	36.6	44.5	57.9	65.1	72.7	70.8	65.3	49.7	41.0	34.5	49.7
1973	31.3	29.8	43.9	50.2	56.9	70.5	73.7	75.1	63.6	54.4	43.9	38.5	52.6
1974	31.8	29.1	38.9	50.7	55.7	65.5	72.8	72.8	63.3	48.4	43.8	36.0	50.7
1975	34.3	30.6	35.7	44.7	61.6	66.1	74.6	71.6	61.1	55.5	48.1	32.3	51.3
1976	23.6	35.4	39.2	52.8	58.2	70.2	70.1	70.1	61.9	48.9	38.1	25.6	49.5
1977	21.0	29.8	43.9	50.6	61.5	66.8	74.5	73.1	64.3	53.1	46.0	31.7	51.4
1978	25.2	22.4	33.9	46.9	58.1	68.3	71.9	71.5	59.7	51.7	42.5	33.7	48.8
1979	30.3	19.9	40.6	47.0	60.6	65.2	73.6	70.3	64.3	53.1	48.4	37.6	50.9
1980	29.9	27.4	37.3	49.6	60.5	64.6	75.0	73.7	65.0	50.0	41.1	28.7	50.2
1981	20.5	37.5	38.9	51.5	58.7	69.6	75.8	70.2	62.5	49.3	43.2	31.3	50.7
1982	21.6	31.7	39.1	48.0	59.2	64.0	73.8	69.4	64.3	53.3	47.7	38.9	50.9
1983	31.5	33.1	40.6	50.0	57.0	70.4	76.8	74.4	69.7	55.5	46.2	32.7	53.2
1984	26.6	37.4	34.0	47.8	57.5	69.2	71.6	73.7	62.3	56.5	43.7	38.1	51.5
1985	22.7	32.3	41.0	51.2	60.3	65.0	73.2	71.3	65.3	54.8	46.0	30.6	51.1
1986	31.2	29.3	40.0	49.6	59.6	66.5	71.2	69.4	62.5	53.1	41.7	35.6	50.3

35 - YEAR/MONTH VALUES

TOTAL PRECIPITATION (INCHES) (FROM DAILY OBS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
PAGE : 1

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1949	4.35	3.48	1.97	4.85	2.72	.05	1.56	4.73P	4.85	2.11	2.96	2.02	MISS
1950	3.51	3.83	3.79	2.92	2.51	2.02	1.42	3.60	2.09	2.71	6.89	4.22	39.51
1951	4.50	3.39	5.29	3.57	4.50	2.64	.91	2.36	1.74	3.27	8.26	5.17	45.60
1952	4.59	4.36	4.72	4.30	4.22	2.11	.32	7.45	2.64	1.62	1.78	3.42	41.53
1953	6.46	4.71	7.92	5.99	3.25	.55	4.43	3.99	2.99	4.71	6.59	5.42	57.01
1954	2.84	2.68	3.53	4.91	5.92	1.31	2.56	8.30	6.04	2.79	4.92	5.73	51.53
1955	.78	4.97	5.35	3.61	2.37	3.72	3.34	11.12	3.27	7.00	5.60	.58	51.71
1956	4.92	4.60	5.51	3.08	1.43	1.57	4.92	.91	3.10	3.74	3.62	5.27	42.67
1957	2.17	1.68	3.29	4.46	.93	.39	1.41	2.51	.87	2.52	3.99	5.86	30.08
1958	7.12	2.95	3.45	7.21	4.05	3.15	6.29	5.15	5.02	3.08	2.58	1.49	51.54
1959	2.27	3.67	6.04	3.83	1.46	4.83	4.01	3.53	.77	.71	3.85	4.17	43.14
1960	3.02	5.63	2.48	2.94	3.79	1.26	4.61	1.06	5.98	.24	2.77	4.30	40.08
1961	3.52	4.68	4.16	7.32	5.21	1.48	2.76	3.86	7.92	2.39	3.10	3.16	49.56
1962	4.70	5.16	1.93	3.85	2.14	5.52	1.62	2.73	3.67	11.89P	4.49	2.63	MISS
1963	3.40	3.15	3.78	1.62	4.69	3.54	3.35	1.56	4.10	1.63	6.53	2.15	39.50
1964	5.65	3.02	2.26	5.34	.71	2.34	2.63	2.38	3.95	2.11	2.43	5.46	38.28
1965	3.46	3.77	1.72	2.43	1.08	1.91	1.28	1.50	1.64	2.75	2.18	1.42	25.44
1966	3.40	4.30	2.40	1.48	3.85	2.31	2.77	3.37	5.23	2.60	3.93	3.04	38.68
1967	1.60	2.51	5.49	4.19	7.27	2.72	3.95	3.24	3.17	2.25	2.75	7.36	46.50
1968	3.50	1.00	7.83	1.49	3.54	4.74	1.49	1.61	1.14	1.79	6.22	6.70	41.05
1969	2.23	4.30	3.10	3.95	2.41	1.23	2.98	2.58	3.09	1.62	6.35	10.75	44.59
1970	.50	5.34	4.75	3.91	3.03	4.25	1.00	6.59	1.79	4.41	5.31	4.54	45.42
1971	2.01	5.36	3.81	2.31	3.83	1.64	3.48	3.03	2.54	2.88	5.16	2.37	38.42
1972	1.85	5.19	6.70	3.71	5.73	6.83	4.25	2.98	7.31	4.36	8.45	7.70	65.06
1973	3.06	3.55	2.78	7.16	3.99	3.48	2.92	5.17	3.04	3.17	2.29	7.63	48.24
1974	4.45	3.04	4.51	2.86	2.74	3.28	1.64	3.10	6.15	2.79	1.56	4.54	40.66
1975	6.78	3.29	3.07	2.99	2.06	4.73	3.51	2.19	6.15	4.66	6.29	5.11	50.83
1976	6.38	2.91	3.44	2.00	2.53	1.60	8.08	7.01	1.57	6.52	.81	3.47	46.32
1977	3.90	2.87	5.62	3.35	3.43	3.92	2.04	2.12	5.60	6.90	3.24	5.85	48.84
1978	9.01	3.20	3.10	2.53	5.27	1.97	2.63	6.46	1.82	3.22	2.61	5.19	47.01
1979	11.66	4.08	2.21	5.12	7.62	1.44	1.65	10.09	4.08	3.94	4.49	1.81	58.19
1980	1.40	1.16	8.11	6.18	1.78	3.85	2.03	1.99	.90	3.41	3.73	1.57	36.11
1981	.77	4.79	.56	4.10	1.92	2.31	3.75	2.65	2.58	3.38	3.20	6.36	36.37
1982	6.09	3.08	3.76	3.64	1.61	11.08	3.51	3.67	3.61	3.08	4.32	1.81	49.26
1983	4.32	4.81	8.84	12.74	4.67	1.91	2.14	2.71	2.16	4.50	11.01	7.71	67.52
1984	2.00	7.19	5.77	4.30	8.38	4.09	5.16	.71	1.77	4.25	1.95	3.16	48.73
1985	1.18	1.57	3.08	1.65	4.76	4.70	2.88	8.57	1.69	1.78	7.14	1.42	40.42
1986	5.88	3.18	2.86	2.10	2.29	3.27	5.95	3.29	.97	2.48	5.77	8.09	46.13

36 - WEATHER CONDITIONS

ATMOSPHERIC PHENOMENON
(FROM DAILY OBSERVATIONS)

014765 PROVIDENCE, RI
PERIOD OF RECORD : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT
MONTH : ALL

MONTH	HOURS (LST)	TSTM	RAIN	FREEZE	SNOW	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE L/HR HAZE	BLOWING SNOW	DUST & OBS.		TOTAL NO. OF OBS.
			L/HR DRIZZLE	RAIN & FREEZE ORIZZLE	L/HR SLEET						L/CR W/OBST	SAND VISION	
JAN	DAILY	.6	29.7	.4	38.4	.0	52.6	35.2	20.5	2.0	.0	45.0	1178
FEB	DAILY	.8	31.0	.2	36.0	.2	53.1	33.7	21.7	2.5	.0	44.8	1064
MAR	DAILY	1.7	40.2	.4	26.7	.0	52.0	39.2	16.3	1.4	.0	45.0	1178
APR	DAILY	3.9	50.4	.0	7.9	.6	52.9	41.7	16.7	.2	.0	45.4	1140
MAY	DAILY	8.3	52.0	.0	.2	.7	52.0	47.9	28.6	.0	.0	54.4	1177
JUN	DAILY	12.2	47.8	.0	.0	.4	47.8	53.2	43.2	.1	.0	64.2	1140
JUL	DAILY	13.9	43.6	.0	.0	.5	43.6	53.7	50.4	.0	.0	66.8	1176
AUG	DAILY	12.7	45.0	.0	.0	.2	45.1	56.1	48.5	.1	.1	67.5	1177
SEP	DAILY	5.8	42.4	.0	.0	.0	42.4	51.8	35.3	.1	.0	58.6	1140
OCT	DAILY	2.9	38.1	.0	1.3	.0	38.3	47.8	30.8	.0	.0	54.5	1177
NOV	DAILY	2.5	46.6	.2	9.5	.0	50.0	44.1	24.9	.0	.0	52.9	1140
DEC	DAILY	.7	38.2	.6	32.5	.1	55.0	39.4	19.4	1.0	.1	47.6	1178
ANN	DAILY	5.5	42.1	.2	12.6	.2	48.7	45.4	29.7	.6	.0*	53.9	13865

NOTES :

* = PERCENT < .05

1476S PROVIDENCE, RI

14765 PROVIDENCE, RI
PERIOD OF RECORD (HOURLY): 1949-1986

PERIOD OF RECORD (DAILY) : 1949-1986

LAT. : 41 44N LONG. : 71 25W ELEV. : 56 FT

[illegible][illegible]

NOTES :

T = TRACE AMOUNTS I < .05, < .5 INCHES

= MEAN NO. DAYS < .5 DAYS

S = PRESSURE ALTITUDE IN TENS OF FEET (I.E., 50 = 500 FEET)

0 - NAVY STATIONS REPORTED HAIL AS SNOWFALL

NWS STATIONS REPORTED HAIL AS SNOWFALL FOR THE PERIOD JULY 1948-DECEMBER 1955.

+ = THE PREDOMINANT SKY CONDITION

**** = VISIBILITY IS NOT CONSIDERED**

£ = ANNUAL TOTALS MAY DIFFER FROM THE SUM OF THE MONTHLY VALUES BECAUSE OF ROUNDING

* - 24 HOUR MAXIMUM PRECIPITATION AND SNOWFALL ARE DAILY TOTAL VALUES (MID-NIGHT TO MID-NIGHT TOTALS).